ADMINISTRATION REPORT OF CIVIL WORKS

OF THE

PUBLIC WORKS DEPARTMENT

(GENERAL BRANCH)

BOMBAY PRESIDENCY,

FOR THE YEAR

1898-99.

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ADMINISTRATION REPORT OF THE CIVIL WORKS

OF THE

PUBLIC WORKS DEPARTMENT

FOR THE YEAR 1898-99.

GENERAL REMARKS.

1. The total expenditure of the year on Civil Works was Rs. 43,19,658 as below :—

		Rs.	Rs.
Outlay in India.			
Imperial	...	2,17,116	
Suspense	...	...	
			2,17,116
Provincial	...	27,61,311	
Suspense	...	17,092	
			27,44,219
Contributions. Provincial, inclusive of Suspense	...	83,467	
Contributions. Excluded Local Funds do.	...	1,76,314	
			2,59,781
Incorporated Local Funds ...	...	10,98,542	
Suspense	...	...	
			10,98,542
		Rs.	43,19,658
Add—			
Outlay in England ...	...	...	...
Loss by Exchange ...	...	...	
			...
Grand Total	...	Rs.	43,19,658

2. In round figures, the expenditure on New Works was 13½ lákhs; on Repairs about 19 lákhs; on Establishment 10 lákhs; and on Tools and Plant ½ lákh.

3. Under Imperial Services, *Salt*, additions and alterations to the Assistant Collector's bungalow at Khárághoda, laying a branch pipe and constructing a cistern to the Salt Main Store at the same place, the sluices for salt water reservoirs at Dharásna, inspection bungalow at Castle Rock, quarters for the Sir-Kárkun and his establishment at Umberde, the Náka Office at Wadkhal and four additional rooms to the salt buildings at Sukkur were completed. The residential quarters for Preventive Officers at Trombay, Thána, Karanja and Mora were in progress.

4. Under the head *Post Offices*, the north porch to the General Post Office, Bombay and the Cantonment Post Office at Karáchi were completed, and the combined Post and Telegraph Office at Kiamari was in progress.

5. Under *Telegraphs*, certain additions and alterations to the Persian Gulf Telegraph Office, Karáchi, were completed.

6. *Under Mint*, the reconstruction of the portico of Her Majesty's Mint at Bombay was nearly completed.

7. *Under Provincial Services* the progress was as follows.

8. Under *Forests*, a Divisional Forest Office at Sholápur was in progress.

9. Under *Customs*, the buildings for the accommodation of the peons of the Customs Department at Bombay were completed.

10. Under *Excise*, a new Distillery at Chota-Udepur, a native State in the Rewa Kántha Agency was sanctioned and contract for the substructure given; and certain works in connection with the Distillery buildings at Kotri were completed.

11. Under *Residences for Local Government*, the work of constructing quarters for His Excellency the Governor's Body Guard at Chaupáti and for Bandsmen at Wálkeshvar was in progress. At Ganesh Khind, certain ceilings were renewed and improvements to the kitchens and boiler arrangements were in progress.

12. Under *Political Agencies*, a Court-house and an office for the Assistant Political Superintendent, Pálanpur, were completed.

13. Under *Land Revenue Buildings*, the Photozinco Office at Poona, and the Mámlatdárs' Kacheris at Jámkhed, Sinnar, Ráver, Ankola and Alibág were completed; those at Nandurbár, Sirsi, Chiplún, Karád and Medha were in progress, and so were the additions and alterations to the Kardarate at Mirpur-Mathelo.

14. Under the head *Educational*, the Telang High School at Godhra was completed, and certain additions and alterations were also carried out at the Bacteriological Laboratory near the College of Science, Poona, to adapt the building as temporary quarters for the Resident Master and 24 students. Additions and alterations to the Training College at Dhárwár were in progress; the workshop was completed, but the improvements to the tank could not be proceeded with, owing to water in it. The new High School at Bijápur was in progress, and the school-house at Gajendragad in the Dhárwár District was completed during the year, and the one at Tilwalli was in progress.

15. Under private buildings, assisted by Government grant-in-aid, the Gujarát College at Ahmedabad was completed and the Principal's quarters attached thereto were nearly completed. The Sir Dinshaw Manekji Petit School of the Camp Education Society, Poona, and a new High School at Sholápur were in progress.

16. Of private buildings undertaken wholly from contributions, the primary school for the Panch Howd Mission at Poona approached completion, and the Beni-Israel Girls' School at that place was completed.

17. Of Local Fund and Municipal Schools, those at Sompur in the Báglán Táluka of the Násik District, Virdál, Padalda, Sarangkheda and Kasod in Khándesh District were completed. The progress of the Málsiras School was stopped, owing to some modification in the sanctioned plan and estimate being desired by the Local Board; and want of good material delayed the construction of the school at Mashwa. At Hyderabad, additional quarters for 50 students of the Agricultural School were constructed.

18. Under *Ecclesiastical*, the work of renewing the roof of the Church of Scotland at Karáchi was completed.

19. Under *Law and Justice*, the Subordinate Judges' Courts at Kapadvanj, Nandurbár, Erandol, Kárwár, the new Court-house and subsidiary buildings at Ratnágiri and the Pleaders' room for the District Judge's Court-house at Hyderabad were completed. The Subordinate Judge's Court-house at Yeola was also practically completed, and the following works were in progress, *viz.*:—accommodation for the Judicial Courts in the old City Jail Buildings at Ahmedabad; restoration of the bastion behind the Assistant Judge's Court at Broach; and the Subordinate Judge's Court-house at Dápoli.

20. Under *Jails*, a block of six cells and another of two cells were constructed in the Aden District Jail, and the construction of a contagious diseases ward in the Prison at Thána, quarters for artizans, &c., in the Juvenile

Reformatory, Yeraoda, and quarters and latrines for clerks and eight warders of the Prison at Bijápur, were in progress.

21. Under *Police*, a quarter-guard for the Mounted Police Lines at Pálanpur, the Rewa Kántha Agency Foot Police Lines at Godhra, those for the City Police, Poona, Lines for the Police at Olpád, Ránebennur, and Shirála and at Gidu Bandar and Hatri, were completed. Lines for the Police at Wadia, Kankashia, Surat, Sholápur head-quarters, and for ten armed Police for the Treasury attached to the new Mámlatdár's Kacheri at Yával were in progress; and those at Medha for additional men were commenced. At Poona, the additions and alterations to the residence of the District Superintendent of Police were completed. Two new blocks, consisting of fifteen rooms in all, are being added to the existing Police Lines at Sirur, where the present accommodation is considered insufficient. At Ahmednagar, ridge ventilators were fixed on the Police Lines, owing to the prevalence of plague. Construction of the Police post at Tando Jam was also carried out during the year.

22. Under *Medical*, alterations to the observation camp near the Poona Railway Station, which were necessary for the safety of the building during the monsoon and for the comforts of its occupants, were carried out. The Plague Hospitals at Poona and Sholápur, and the segregation camp and disinfecton shed at the latter place, were made water-tight. Quarters for the Hospital Assistant at the dispensary at Sávda were constructed. The Veterinary Dispensary at Hyderabad and the dispensaries at Satlásna, Hálol, Hánsot and Kávi were completed, and those at Andheri and Rámpur were in progress. Work on the Narotamdas Madhavdas Lunatic Asylum at Nowpada near Thána was in progress.

23. Under *Miscellaneous*, the new bungalow for the Superintendent at Mátherán, the work of improving the drainage of the Observatory Buildings at Colába, Bombay, and several camps for the Bombay Plague Committee in different parts of the city were completed. The work of providing fire-fittings to the Government Central Press was in progress.

24. Under *Miscellaneous Public Improvements*, the Ránder portion of the Surat water-supply, the water-supply works at Murbád, and improvements to the water-supply at Mátherán were in progress.

25. Of *Miscellaneous Works*, the work of constructing roads and drains on the Chaupáti estate, Bombay, was completed, and arrangements were being made to hand them over to the City of Bombay Improvement Trust. An earthen bund round the village of Bidaj in Kaira District was in progress.

26. The actual cost of *Establishments* of all classes in 1898-99 was Rs. 19,55,489 as compared with—

Rs. 19,29,833 in 1897-98,

and

Rs. 19,91,652 in 1896-97.

27. The following table shows the distribution of the charges in each year from 1895-96 :—

Head of Service.	1895-96.	1896-97.	1897-98.	1898-99.
Imperial.	Rs.	Rs.	Rs.	Rs.
Military	35,345	30,534	29,684	32,268
Barrack Department	7,647	7,163	6,964	6,758
Civil Works	36,082	36,119	21,552	35,709
Irrigation	8,40,598	8,91,030	9,10,678	8,96,856
Total, Imperial ...	9,19,672	9,64,846	9,68,878	9,71,591

Head of Service.	1895-96.	1896-97.	1897-98.	1898-99.
Provincial.				
Civil Works	9,08,597	8,42,422	8,38,527	8,48,408
Irrigation	4,475	3,711	3,224	2,738
Total, Provincial ...	9,13,072	8,46,133	8,41,751	8,51,146
Local Funds.				
Incorporated	1,47,064	1,47,415	96,892	1,10,237
Excluded	40,707	33,258	22,312	22,515
Total, Local Funds ...	1,87,771	1,80,673	1,19,204	1,32,752
Grand Total ...	20,20,515	19,91,652	19,29,833	19,55,489

28. The total outlay, including suspense heads, under all heads, including Irrigation, was as follows:—

		Rs.	Rs.
Military	Works and Repairs ...	1,68,322	
	Establishment ...	39,026	2,09,426
	Tools and Plant ...	2,078	
Imperial, Provincial and Local Civil Works.	Works and Repairs ...	32,49,923	
	Establishment	10,16,869	43,19,658
	Tools and Plant... ...	52,866	
Irrigation	Works and Repairs ...	32,26,540	
	Establishment	8,99,594	41,61,174
	Tools and Plant... ...	35,040	
Expenditure on stores received from England...			35,731
			87,25,989

Of this amount, Rs. 67,06,903, excluding suspense heads, were expended on works and repairs distributed as under:—

	Rs.
Military Works	1,68,797
Civil „	32,67,015
Irrigation „	32,71,091
Total ...	67,06,903

The total charge for Establishment being Rs. 19,55,489, as detailed in paragraph 27, gives a percentage of 29·16 on the actual outlay of Rs. 67,06,903 as compared with 26·62 per cent. in 1897-98.

Omitting Irrigation establishment and outlay (which must be disregarded unless the revenue is also taken into account), and Barrack Department outlay, the comparison stands thus:—

	Rs.
Outlay on Works and Repairs	34,20,513
Cost of Establishment	10,49,137
Percentage	30·67

The percentage in 1897-98 was 26·62 and in 1896-97, was 24·33.

29. For facility of comparison the following statement is given, showing the outlay on Works and Repairs by Executive Divisions during the year:—

Divisions.	Executive Charges.	Area in Square Miles.	Outlay on Works and Repairs, 1898-99.						
			Provincial.		Local.	Imperial.			
			Civil Works, including Contributions.	[illegible]		Military, including Contributions.	Civil Works, including Contributions.	Irrigation, including Contributions.	Total.
			Rs.	Rs.		Rs.	Rs.	Rs.	Rs.
Superintending Engineer, Northern Division.	Executive Engineer, Presidency	...	2,89,104	...					
	Do. Ahmedabad (including Bhúj)	...	94,195	...	83,4[illegible]	60	26,859	...	3,16,023
	Do. Surat and Broach ...	...	40,291	...	2,10,635	28,719	35,283	28,004	2,69,619
	Do. Kaira and Panch Mahals ...	...	45,877	...	75,382	422	21,735	24,321	2,97,504
	Do. Thána	...	1,56,559	...	98,342	760	2,878	3,261	1,32,159
	Total	...	6,26,126	...	4,67,777	34[illegible]	16,385	...	2,71,718
Superintending Engineer, Central Division.	Executive Engineer, Poona District	...	2,05,442	...	47,363	24,044	1,03,140	55,586	12,87,022
	Do. Poona Irrigation	...	8,567	...	663	44,141	1,773	...	2,76,622
	Do. Násik	...	1,15,592	...	53,982	1,961	...	1,23,173	1,76,544
	Do. Ahmednagar	...	68,482	...	43,938	44,909	132	11,514	1,84,187
	Do. Khándesh	...	96,666	...	97,261	401	200	6,499	1,63,908
	Do. Khándesh Irrigation ...	...	...	...	293	...	...	...	1,96,485
	Do. Sholápur	...	60,417	...	32,238	81	1,368	598	5,891
	Total	...	5,55,186	...	2,75,738	1,15,537	6,496	2,05,[illegible]	11,53,780
Superintending Engineer, Southern Division.	Executive Engineer, Sátara	...	1,38,465	...	70,247	18,588	956	25,66[illegible]	2,53,920
	Do. Bijápur	...	41,276	...	67,245	...	249	211	1,08,981
	Do. Belgaum	...	89,617	44,493	48,245	83	2,194	15,478	2,00,110
	Do. Dharwár	...	90,987	...	67,811	96	7,102	...	1,65,996
	Do. Dhárwár Irrigation ...	...	...	...	1,118	...	...	36,089	37,207
	Do. Kánara	...	1,10,593	...	23,992	...	1,986	...	1,36,571
	Do. Ratnágiri and Kolába ...	...	1,42,470	...	18,424	100	17,642	158	1,78,794
	Total	...	6,13,408	44,493	2,97,082	18,967	30,129	77,600	[illegible]81,579
Indus Left Bank	Executive Engineer, Eastern Nára ...	...	2,768	...	1,079	...	482	60,903	[illegible]4,231
	Do. Fuleli Canals	...	4,274	...	4,385	...	129	2,20,087	2,2[illegible]875
	Do. Hyderabad Canals, N. D.	...	2,898	...	1,205	...	...	2,40,088	2,4[illegible]191
	Do. Hyderabad Canals, C. D.	...	25,684	...	30,570	...	1,466	90,766	1,54[illegible]86
	Do. Jamrao Canals, 1st District	...	...	...	...	...	...	5,87,759	5,87,[illegible]9
	Do. do. 2nd do. ...	...	...	...	...	...	...	4,87,741	4,87,[illegible]3
	Do. do. 3rd do. ...	...	...	...	...	...	...	2,13,061	2,13,06[illegible]
	Total	...	35,624	...	43,239	...	2,077	19,03,404	19,90,344
Indus Right Bank.	Executive Engineer, Karáchi Canals ...	...	49,915	...	17,464	...	21,366	2,36,465	3,25,210
	Do. Ghár Canals ...	...	6,442	...	1,420	...	71	1,58,514	1,66,447
	Do. Western Nára ...	...	9,091	...	...	...	147	1,33,360	1,42,598
	Do. Begari Canals ...	...	7,052	...	1,334	...	277	2,46,206	2,54,869
	Do. Shikárpur Canals ...	...	25,741	...	17,024	...	1,722	1,95,470	2,39,957
	Do. Indus River	...	...	...	6,651	...	...	6,303	12,954
	Total	...	98,241	...	43,893	...	23,583	9,76 318	11,42,035
Chief Engineer, Bombay Command, Military Works Department.	Executive Engineer, Aden	...	19,366	...	...	...	3,178	...	22,544
	Add—Outlay by Civil Officers	...	12,257	...	...	...	10,475	1,886	24,618
	Grand Total	...	19,60,208	44,493	11,27,729	1,63,797	1,79,078	32,26,598	67,06,903

30. The cost of Works Establishments by Districts is shown in Appendix C. The reason why the percentages are lower in some Districts than in others is that when works are executed by contract, the expenditure on establishment is lower, and that whereas it is practicable in certain Sub-Divisions to divide the expenditure proportionally to works in a concentrated area, it is not practicable to do so when establishment is entertained for general duties over a larger area.

31. The *revenue* realised in the Public Works Department, as compared with the previous two years, was as follows:—

	1896-97.	1897-98.	1898-99.
Imperial.	Rs.	Rs.	Rs.
XXXI.—Military Works	10,218	8,714	8,935
XXIX.—Irrigation Major Works	4,93,217	5,92,265	6,60,450
XXX.—Irrigation Minor Works and Navigation ...	2,22,000	2,16,350	2,52,253
Provincial.			
XXXII.—Civil Works	7,86,971	6,21,837	7,22,534
XXX.—Irrigation Minor Works and Navigation ...	22,441	31,837	31,197
Grand Total ...	15,34,937	14,71,003	16,75,369

32. The *toll* revenues, including receipts under the Highway Act, in the three years were—

	Rs.
1896-97	6,14,423
1897-98	4,56,138
1898-99	5,64,475

33. *Measures for the suppression of Plague.*—The erection of plague camps, hospitals, observation sheds, &c., was carried out in Bombay, Poona and Sholápur. The details of the works are given under the head "Medical" and "Miscellaneous."

34. Details of the principal works in progress or completed during the year will be found under the several heads and sub-heads.

I.—CIVIL BUILDINGS.

1.—Imperial Services.

35. The expenditure under this head was Rs. 2,17,116, sub-divided as follows :—

	Rs.
Original Works	1,02,049
Repairs	77,029
Establishment	35,709
Tools and Plant	2,329
Suspense	...
	2,17,116

And the works carried out were as follows :—

3.—Salt.

36. **Thana District.**—Quarters for the Preventive Officer, Trombay, were commenced, and an outlay of Rs. 2,861 incurred during the year against the sanctioned estimate of Rs. 5,780. The building provides a sitting-room and a dining-room, each 16′ × 16′, a bed-room and a dressing-room, each 16′ × 8′, and two bath-rooms and a store-room in the rear verandah. There is also a verandah, 7′ 7½″ wide, in front. The outhouses provide two rooms for servants and a cook-room.

37. Quarters for the Preventive Officer, Thána, were commenced during the year. The building is similar to the quarters for the Preventive Officer at Trombay described above. The site selected for the quarters being very low and subject to being flooded, was raised 7½ feet by filling in with earth so as to be on a level with the Bandar Road and 1¾ feet above the highest tide level. The side slopes of the reclamation are to be pitched with stone, and the foundations of the buildings are to be supported on pillars and arches of stone masonry resting on rock, while the superstructure is to be of brick masonry. An outlay of Rs. 7,501 was incurred during the year against the sanctioned estimate of Rs. 12,391.

38. **Surat and Broach District.**—Sluices for the salt-water reservoirs at Dharásna were commenced and completed during the year. They consist of two sets of sluices in the salt-water reservoir embankments, one having 16 and the other 18 openings, each 3 feet wide and 6 feet high, with revolving gates. Their object is to admit sea-water into the reservoirs at high tides and retain it there for use in the salt-pans. The abutment and sills are of stone masonry and the gates and posts of teak. The total expenditure amounted to Rs. 16,808 against the sanctioned estimate of Rs. 16,792.

39. **Ahmedabad District.**—The work of additions and alterations to the bungalow of the Assistant Collector of Salt Revenue at Khárághoda was completed at a cost of Rs. 5,787 against the sanctioned estimate of Rs. 5,632. The work consists of the addition of an upper storey to the southern half of the

bungalow, providing two rooms 20′ 4½″ × 10′ 4½″ and 20′ 4½″ × 12′ 11½″, respectively, with two bath-rooms and verandahs in front and rear.

40. The work of laying a branch pipe and constructing a water cistern for the salt main store at Khárághoda has been completed at a cost of Rs. 2,807 against the sanctioned estimate of Rs. 2,820.

41. **Dha'rwa'r District.**—The Inspection Bungalow at Castle Rock, commenced in the previous year, was completed at a total cost of Rs. 10,845 against the estimate of Rs. 10,789, the expenditure during the year being Rs. 3,166.

42. **Kola'ba District.**—Quarters for the Sir-Karkun and his establishment at Umberde, commenced in 1896-97, were completed during the year under report; the total outlay was Rs. 10,361 against the estimate of Rs. 9,951, the expenditure during the year being Rs. 3,281.

43. Quarters for the Preventive Officer at Karanja were commenced during the year, but owing to the site not being handed over, nothing was done beyond the collection of materials at a cost of Rs. 2,795 against the estimate of Rs. 6,745.

44. Quarters for the Preventive Officer at Mora were also commenced during the year, but, for the same reason, materials only were collected at a cost of Rs. 2,799 against the estimate of Rs. 6,745.

45. The work of Náka Office at Wadkhal was commenced and completed during the year under report at an outlay of Rs. 3,164 against the estimate of Rs. 3,168.

5.—MINT.

46. **Presidency District.**—Reconstructing the portico of Her Majesty's Mint, Bombay. The old portico of Her Majesty's Mint being in a very dilapidated condition was pulled down and rebuilt in accordance with the design prepared by the Architectural Executive Engineer and Surveyor. The portico, as reconstructed, is 76′ × 17′ in external dimensions and provides a spacious room 71′ × 15′ on the first floor. The superstructure is of brick and lime masonry with the arches and cornices of Porbandar stone and the roof is of Mangalore tiles. The work was nearly completed, the expenditure during the year being Rs. 9,053 against the sanctioned estimate of Rs. 11,893.

6.—POST OFFICES.

47. **Kara'chi Canals District.**—The Cantonment Post Office at Karáchi was commenced and completed during the year at a cost of Rs. 9,764 against the sanctioned estimate of Rs. 9,979.

48. **Keamari.**—As the site on which the old Post Office stood was required by the Port Trust, a new combined Post and Telegraph Office was commenced on a new site. The work was in progress and the expenditure during the year amounted to Rs. 3,217 against the sanctioned estimate of Rs. 8,745.

49. **Presidency District.**—The porch of iron and zinc work on the north side of the General Post Office building, described in the last year's report, was completed at a total cost of Rs. 3,359 against the sanctioned estimate of Rs. 3,551, the outlay during the year being Rs. 341.

7.—TELEGRAPHS.

50. **Kara'chi Canals District.**—An additional room on the ground and upper floors was added for the Electrician's Office and Director's clerks, respectively, at the south-east end of the building in keeping with the block at the north-east. The cost of the work was Rs. 3,453, which has been adjusted by debit to the Telegraph Department.

51. **Aden.**—During the year control of the Somáli Coast works was transferred to the Home Government.

II.—PROVINCIAL SERVICES.

CIVIL BUILDINGS.

52. The expenditure from Provincial, Local Funds and Contributions, including the outlay on Forest and Customs Buildings, was Rs. 16,71,996, subdivided as under:—

	Rs.
Original Works	... 7,71,217
Repairs	... 4,16,063
Establishment	... 4,64,188
Tools and Plant	... 20,528
	16,71,996

And the works carried out were as follows:—

FORESTS.

53. **Sholapur District.**—The construction of the Divisional Forest Office at Sholápur was in progress. The building consists of two rooms, 16′×16′ and 16′×14′, with a 8 feet wide verandah in front, the height of main rooms to underside of ceiling being 14½ feet. Foundations were excavated and filled in with concrete and materials were purchased, the expenditure being Rs. 1,623 against an estimate of Rs. 2,870.

8.—ADMINISTRATION.

4.—LAND REVENUE BUILDINGS.

54. At Poona the additions and alterations to the Photozinco Office were completed at a total expenditure of Rs. 2,545 against the revised estimate of Rs. 2,551.

55. Mámlatdárs' Kacheris were completed at Jamkhed, Sinnar, Ráver, Ankola and Alibág, the total expenditure on these being respectively Rs. 34,964, 28,248, 16,845, 28,357, and 20,705, against the estimates of Rs. 35,187, 28,378, 17,224, 28,380, and 20,608.

56. The Nandurbár Kacheri was commenced during the year, and superstructure was completed to the level of the arches. The expenditure during the year was Rs. 7,713, the estimated amount being Rs. 32,471.

57. The Sirsi Kacheri work, which was suspended in December 1897 owing to a dispute with the contractor, was resumed in November 1898 by another contractor for replacing the condemned work. The total outlay was Rs. 13,828, against the estimate of Rs. 34,620, the expenditure during the year being Rs. 2,928.

58. The Mámlatdárs' Kacheris at Chiplun and Medha, commenced in the previous year, were in progress. The total outlays on these were Rs. 31,071 and 30,292, against the estimates of Rs. 35,670 and 33,501, the expenditure during the year being Rs. 16,322 and 19,338, respectively.

59. The work on the Mámlatdár's Kacheri at Karád in the Sátára District commenced in 1895-96, was at a standstill during the year under report, as the building was still being used for plague purposes. The total outlay to end of the year was Rs. 28,881, against the estimate of Rs. 33,184.

60. In the Shikárpur Canals District, the work of additions and alterations to the Kardarate at Mirpur Mathelo was in progress. The outlay during the year was Rs. 4,000, the amount of the estimate being Rs. 4,327.

5.—EXCISE BUILDINGS.

61. The following works forming part of the project for the Distillery at Kotri were completed during the year:—

Making a pucka drain from the stills; raising a portion of the surface of the compound quarters for Distillery peons; and compound wall round the Inspector's quarters.

The construction of two Ingredient sheds was commenced, the outlay incurred during the year being Rs. 3,242; the total expenditure on the project to end of 1898-99 was Rs. 35,735.

6.—RESIDENCES FOR LOCAL GOVERNMENTS AND SECRETARIAT OFFICES.

62. **Presidency District.**—As much inconvenience was felt owing to the want of accommodation for His Excellency the Governor's Body Guard in consequence of Government House, Parel, having been made over to the Plague Committee from 1897 for use as a Plague Hospital, new lines have been constructed at Chaupati, comprising the following works :—

(1) Quarters for 68 savárs,
(2) Stable for do.
(3) Riding School,
(4) Cooking Sheds (3),
(5) General Latrines,
(6) Syces' Quarters,
(7) Quarters for 2 Native Officers,
(8) Quarters for School Master and Hospital Assistants,
(9) Bathing Platform.

The buildings were nearly completed at a cost of Rs. 69,958 against the estimate of Rs. 74,882.

63. The work of constructing quarters for Bandsmen in connection with Government House, Malabár Point, at Wálkeshwar Road, was commenced. The buildings consist of a block for fifteen single men and four Sergeants, a bath-room and servants' quarters and cook-room. The expenditure during the year was Rs. 20,368 against the estimate of Rs. 47,119. The construction of the quarters was found necessary owing to the transfer of all the buildings connected with Government House, Parel, to the Bombay Improvement Trust.

64. **Poona District.**—The renewal of some of the ceilings in Government House at Ganeshkhind, described in the report for 1896-97, was completed at a total expenditure of Rs. 5,580 against the estimate of Rs. 6,603, the outlay during the year being Rs. 979.

65. Improvements to the kitchens and boiler arrangements of Government House, Ganeshkhind, were in progress. The previous system of heating the bath water throughout the house was from the kitchen range boiler. An independent one is now being provided and various other improvements in the arrangements are being made. The expenditure during the year was Rs. 1,140 against the estimate of Rs. 2,970.

8.—POLITICAL AGENCIES.

66. **Ahmedabad District.**—A Court-house and an office for the Assistant Political Superintendent at Palánpur, were completed at a cost of Rs. 7,995 against the sanctioned estimate of Rs. 8,111. A sum of Rs. 2,028 was received as a contribution towards the construction of this work from the Political Superintendent, Palánpur. The building provides a Court-room 20′ × 20′, two office rooms, each 15′ × 20′, a record room 26′ × 15′ and a chamber 6′ 8¼″ × 14′ 6″ with a verandah 8′ wide in front and rear. The outhouses provide three rooms each 10′ × 10′ for peons, tents, &c.

67. **Rajkot.**—The work of adding an upper storey to the Account offices, &c., at Rájkot to make room for Treasury Establishment and for keeping stamps, referred to in last year's report, was commenced and completed during the year. The work was completed at a cost of Rs. 9,380, out of which Rs. 1,500 were paid from Káthiáwár Consolidated Funds, the amount of the sanctioned estimate being Rs. 9,383.

9.—MINOR DEPARTMENTS.

3.—Monuments and Antiquities.

68. **Ahmedabad District.**—The archæological buildings and remains at Ahmedabad were repaired during the year at a total cost of Rs. 4,996.

A statement is appended showing the actual expenditure on the preservation of buildings of historical and architectural interest for the last five years from 1894-95 to 1898-99.

Appendix A.

10.—EDUCATIONAL.

1.—Government Colleges.

69. **Presidency District.**—The drainage of the Students' quarters attached to the Elphinstone College, Bombay, described in the last year's report, was completed at a total cost of Rs. 6,687 against the sanctioned estimate of Rs. 6,690, the outlay of the year being Rs. 4,687.

70. **Improving the fire fittings of the Elphinstone College and General Record Rooms, Bombay.**—With a view to provide more effective protection against fire, it was considered necessary to carry out certain improvements to the fire fittings of the New Elphinstone College and General Record Rooms, Esplanade. The improvements consist of laying a 6″ connection from the 18″ Municipal main, and providing one large cast-iron tank 20′ × 12′ × 3′ on the topmost floor in place of a number of small tanks formerly located on each floor. A pillar hydrant has been provided in the court-yard, and four 2½″ Morris patent wall-hydrants have been provided on each floor in place of the old stop-hydrants. The work is in progress. The expenditure during the year was Rs. 6,997 against the sanctioned estimate of Rs. 8,825.

71. **Poona District.**—Certain additions and alterations to the Bacteriological Laboratory to adapt it for use as quarters for the resident master and 24 students of the College of Science, Poona, were commenced on 10th August 1898 and completed on 28th February 1899. As the plague interfered much with the studies of the students it was thought very desirable to provide quarters for them near the College. The expenditure during the year was Rs. 2,609 against an estimate of Rs. 2,611.

72. **Dharwar District.**—At *Dhárwár*, additions and alterations to the Training College were continued during the year. The construction of the workshop was completed, but the improvements to the tank could not be proceeded with as there was water in it to the end of the year. The total outlay to end of the year was Rs. 29,682, against the revised estimate of Rs. 31,500, the expenditure during the year being Rs. 3,002.

Private Buildings assisted by a Government Grant-in-aid.

73. **Ahmedabad District.**—The Gujarát College buildings, described in previous reports, including the main building, students' quarters, dining and cook-rooms, stables and servants' quarters, were completed. The total outlay was Rs. 1,52,040, against the sanctioned estimate of Rs. 1,54,551, the outlay of the year being Rs. 3,029.

74. The Principal's quarters and out houses, commenced last year, were in progress. The total outlay was Rs. 20,538, against the sanctioned estimate of Rs. 21,923, the outlay of the year being Rs. 11,382.

2.—Government Schools.

75. **Kaira District.**—The Telang High School at Godhra, described in the previous years' reports, was finally completed, including the provision of Gymnastic apparatus, at a total cost of Rs. 36,445, against the sanctioned estimate of Rs. 36,997, the outlay of the year being Rs. 628.

76. **Bijapur District.**—The construction of the High School at Bijápur, commenced in 1896-97, was resumed during the year under report, Rs. 11,111 being expended. The total expenditure, including payment of land compensation up to end of the year, was Rs. 13,618 against the estimate of Rs. 41,673.

Private Buildings assisted by a Government Grant-in-aid.

77. **Poona District.**—The construction of the Sir Dinshaw Maneckji Petit School of the Camp Education Society, Poona, was in progress. The

Society being badly in need of a school of its own, the funds provided by Sir Dinshaw Maneckji Petit, Rs. 7,525, are being utilized to construct half the building as originally designed. The amount of the complete estimate is Rs. 15,054, of which Rs. 6,010 were expended during the year.

78. The Beni Israel Girls' School, Poona, described in previous reports, was completed in July 1898 at a total outlay of Rs. 19,110, against the estimate of Rs. 21,842, the expenditure during the year being Rs. 3,408: of this amount three-fourths were contribution, the balance being granted by Government.

79. **Shola'pur District.**—The new High School at Sholapur, described in last year's report, was in progress. Muram filling for the floor of the main building was finished. The roofing and minor items of the peons' quarters and water-room were finished, and the building completed. The Gymnasium was commenced and completed up to plinth level. The amount of the estimate is Rs. 47,752, and the expenditure during the year was Rs. 887, the total outlay being Rs. 7,998.

Private Buildings undertaken wholly from contribution.

80. **Poona District.**—The Primary School for the Panch Houdh Mission, Poona, is approaching completion. This is wholly a contribution work and is to be an upper storeyed building with four class rooms for the first floor over a large room 60 feet × 18 feet on the ground floor with a verandah 4 feet wide in front. The amount of the estimate is Rs. 8,796, of which Rs. 5,426 were expended during the year under report.

Local Fund and Municipal Buildings.

81. **Shola'pur District.**—A school-house at Málsiras was commenced during the year and completed up to plinth level. Further progress was stopped as the Local Board proposed some modifications in the sanctioned designs. The plan and estimate have been revised accordingly and are now being considered. Only Rs. 490 were expended during the year, the amount of the revised estimate being Rs. 4,209.

82. **Na'sik District.**—A school-house at Sompur, Táluka Báglán, for 90 boys, commenced in 1897-98, was completed during the year under report and handed over for occupation. The total expenditure was Rs. 2,587, against an estimate of Rs. 2,602, the outlay of the year being Rs. 1,804.

83. **Kha'ndesh District.**—In the Khándesh Collectorate school-houses were built during the year, as detailed below. The completion of the school-house for 40 boys at Mashwa has been delayed owing to the failure of the petty contractor to supply good bricks. Arrangements, however, were made to build it of stone and lime, and will be completed in 1899-1900 if funds are made available.

No.	Name.	Estimate.	Expenditure from commencement.	Allotment.	Expenditure during 1898-99.
		Rs.	Rs.	Rs.	Rs.
1	School-house for 80 boys at Virdel...	2,713	2,537	2,361	2,158
2	Do. do. 60 boys at Padalda.	2,337	2,044	1,628	1,250
3	Do. do. at Sarangkheda ...	2,284	2,141	1,590	1,334
4	Do. do. 80 boys at Kasoda..	2,407	2,251	1,495	1,214
5	Do. do. 40 boys at Mashwa.	1,590	883	1,155	395

84. **Dha'rwa'r District.**—In the Dhárwár District, a school-house for 225 boys at Gajendragad, commenced in the previous year, was completed during the year under report at a total cost of Rs. 8,416, against the estimate of Rs. 8,661, the outlay during the year being Rs. 3,798.

85. A school-house at Tilwalli was in progress during the year und report. The outlay was Rs. 1,981 against the estimate of Rs. 2,906.

86. **Central Hyderabad Canals District.**—The construction of additional quarters for 50 students of the Agricultural School at Hyderabad was commenced.

The buildings provide the following accommodation :—

Quarters for 38 Students and 1 Assistant Master.

Conversion of 2 sets of dining and cook-rooms into 12 students' quarters.

Dining and store-rooms, cook-rooms, bath-room, latrine, and double-acting force pump.

Work was carried out during the year to the extent of Rs. 13,393, against an estimate of Rs. 20,060.

II.—ECCLESIASTICAL.

87. **Poona District.**—The accounts of the contractor for the Campanile for the Church of the Holy Name at Poona, which was reported as completed in 1897-98, remained unsettled at the close of that year. A sum of Rs. 1,574 was expended in 1898-99, bringing the total cost of the work up to Rs. 26,824, against an estimate of Rs. 31,839.

88. **Karáchi.**—The corrugated iron roof of the Church of Scotland at Karáchi was renewed during the year at a cost of Rs. 6,101, against the estimate Rs. 6,149.

12.—LAW AND JUSTICE.

2.—Small Cause Courts.

89. **Presidency District.**—The work of providing drainage to, and improving the latrine arrangements of, the Bombay Small Cause Court was practically completed at a cost of Rs. 3,448, against the sanctioned estimate of Rs. 3,483.

3.—District Courts.

90. **Surat and Broach District.**—The work of restoring the bastion behind the Assistant Judge's Court at Broach was in progress. The work has been raised to a height of 18 feet above the ground level and a sum of Rs. 4,000 expended during the year, against the sanctioned estimate of Rs. 4,696.

91. **Kaira District.**—The new Court-house for the Subordinate Judge at Kapadvanj on the standard plan of 1895, described in the last year's report, was finally completed and handed over to the Judicial Department for occupation in March 1899. A cattle shed has been added from the saving on the estimate. The total expenditure on the work was Rs. 19,040, against the sanctioned estimate of Rs. 19,723, the outlay of the year being Rs. 5,139.

92. **Ahmedabad District.**—The Subordinate Judge's Court-house at Viramgám, on the standard design, described in the previous reports, was completed, and the building handed over to the Judicial Department for occupation. The total expenditure amounted to Rs. 19,387, against the sanctioned estimate of Rs. 19,487. Rs. 694 were spent during the year.

93. The work of providing accommodation for the Judicial Department in the old City Jail at Ahmedabad, consisting of Courts and offices of the District, Joint and Assistant Judges, Subordinate and Joint Subordinate Judges, and the Small Causes Court Judge, including accommodation for records, was sanctioned, and an allotment of Rs. 11,375 provided. During the year under report the portion of the work consisting of Courts and offices for the District and Joint Judges, was commenced, and all the materials purchased. This portion of the work is now in progress and is rapidly approaching completion. The sum expended during the year was Rs. 11,343, against the sanctioned estimate of Rs. 70,067.

94. **Na'sik District.**—The Subordinate Judge's Court-house at Yeola was in progress. The work was commenced in 1896 but was suspended on account of famine. It was resumed in February 1898, and the building was practically

completed during the year under report. The expenditure during the year was Rs. 12,520, the total expenditure being Rs. 20,316, against an estimate of Rs. 21,136.

95. **Kha'ndesh District.**—The unfinished work of roof, &c., of the Subordinate Judge's Court at Erandol was completed, the total outlay being Rs. 20,810, against an estimate of Rs. 21,647, the expenditure during the year being Rs. 7,296. The Subordinate Judge's Court-house at Nandurbár was completed during the year at the total expenditure of Rs. 19,561, against an estimate of Rs. 19,704, the expenditure during the year being Rs. 6,331.

96. **Ka'nara District.**—At Kárwár, the Subordinate Judge's Court-house, commenced in 1896-97, was in progress. It has been practically completed at a total cost of Rs. 16,938, against the estimate of Rs. 16,597. The expenditure during the year was Rs. 6,955.

97. **Ratna'giri District.**—At Ratnágiri, the new Court-house and subsidiary buildings were completed in 1897-98. The piping was laid during the year and the buildings completed at a total cost of Rs. 21,206, against the estimate of Rs. 22,809.

98. The Subordinate Judge's Court-house at Dápoli, commenced in 1896-97, was in progress. The total outlay to end of the year was Rs. 22,671, against the revised estimate of Rs. 25,980, the expenditure during the year being Rs. 3,350.

99. **Central Hyderabad Canals District.**—A Pleaders' room for the District Court at Hyderabad, consisting of a main room 20′ × 20′ with a verandah on three sides 8′ wide, was commenced and completed during the year. The estimate was Rs. 2,518, and the outlay Rs. 2,443.

13.—JAILS.

100. **Poona District.**—Quarters at the Juvenile Reformatory, Yeraoda, to afford accommodation for 3 artizans, 1 clerk, 1 school master and 1 head warder in one block were in progress. A latrine of 4 seats will be provided. The expenditure during the year was Rs. 2,500, and the amount of the estimate Rs. 5,279.

2.—District Jails.

101. **Tha'na District.**—The work of constructing contagious diseases wards in the Thána Prison was put in hand, and a sum of Rs. 4,825 expended against the sanctioned estimate of Rs. 12,038. The work comprises two wards, each 45′ × 18′ with a 6′ verandah in front, warders' quarters 30′ × 10′ with a 5′ verandah in front and a dead-house 12′ × 12′. The two wards together are to provide accommodation for 24 patients.

102. **Bija'pur District.**—The work of constructing quarters and latrines for clerks and 8 warders of the prison at Bijápur was in progresss. The expenditure was Rs. 4,458, against the estimate of Rs. 4,969.

103. **Aden.**—A block of 6 cells was constructed in the Aden District Jail, Crater, at a cost of Rs. 6,506; also a block of two rooms at a cost of Rs. 2,502.

14.—POLICE.

104. The Budget Estimate for the year contained a provision of Rs. 75,000 for new Police buildings, of which Rs. 39,300 were for works in progress, and Rs. 35,700 for new major and minor works. The actual outlay during the year on works of this Department will be found in a statement marked B appended to this report, and the following is a brief account of the principal works carried out.

105. **Surat and Broach District.**—The new Police lines at Olpád in the Surat District, described in the previous years' reports, were completed and handed over to the Police Department. The total expenditure amounted to Rs. 11,667, against the sanctioned estimate of Rs. 11,657. The outlay during the year was Rs. 2,163.

106. Two blocks of Police lines for the Head-quarters Police at Surat were commenced on the site of the old Native Infantry Lines. Each block consists of 40 rooms, 20 on each side. The end rooms are 12′ × 10′ and the others 10′ × 10′ with 6 feet verandah all round. A sum of Rs. 5,611 was spent during the year, against the sanctioned estimate of Rs. 14,072.

107. **Kaira District.**—The work of constructing the new Police lines on the standard plan at Kankashia in the Panch Mahâls was commenced after the rains of 1898, and nearly completed except the roofing, which will be completed by the end of June 1899. The expenditure during the year amounted to Rs. 2,417, against the sanctioned estimate of Rs. 3,145.

108. The work of constructing Police lines at Wadia was in progress, and Rs. 1,227 expended during the year, against the sanctioned estimate of Rs. 3,713.

109. The work of constructing Rewa Kántha Agency Foot Police lines and stables for the Mounted Police at Godhra was completed during the year at a total expenditure of Rs. 3,357, against the sanctioned estimate of Rs. 3,764. The accommodation provided is for ten men and five horses.

110. **Ahmedabad District.**—The Mounted Police lines at Pálanpur, described in the previous reports, were completed, together with the addition of a Quarter Guard sanctioned to be executed from the saving in the original estimate. The total outlay on the work amounted to Rs. 19,199, against the sanctioned estimate of Rs. 20,162, the expenditure during the year being Rs. 2,116.

111. **Poona District.**—The City Police lines at Poona, described in the previous year's report, were completed at a total outlay of Rs. 72,314, against the estimate of Rs. 78,174, the expenditure during the year being Rs. 1,138.

112. Additions and alterations to the residence of the District Superintendent of Police, Poona, as described in the report for 1897-98, were completed at a total expenditure of Rs. 2,524, against an estimate of Rs. 6,035, the outlay during the year being Rs. 751.

113. The accommodation in the existing Police lines at Sirur being found insufficient, two additional blocks consisting of three rooms 12′ × 10′ and twelve rooms of 10′ × 10′ are under construction. The foundations of both the blocks were completed, and the superstructure of stone and lime raised to a considerable height and most of the materials required to complete the work were collected. The amount of the estimate is Rs. 5,294, and the expenditure incurred during the year was Rs. 3,300.

114. **Sholapur District.**—The Head-quarter Police lines at Sholápur, as described in the last year's report, were in progress. East and west halves of block No. 2 were completed and handed over for occupation. The school-room was converted into a record-room by transposing the positions of its door and window. The open verandah of the Chief Constable's quarters was enclosed by teakwood trellis-work, and iron work for a latrine of one seat on the improved model pattern was purchased for the use of the Chief Constable. The guard and ammunition rooms, &c., according to modified proposals, were completed up to roof, materials for which were also purchased during the year. The sanctioned arrangement of bath-rooms was altered in consultation with the Police authorities. As now proposed, there is to be a block of eight compartments for females closed on all sides, and another block of the same dimensions for males having four larger compartments for different castes with front side open. The wood work in connection with the bath-rooms was completed and corrugated iron sheets for roofs and walls were purchased. Shahabad stone for paving was also purchased. The iron work and other materials for latrines for males and females (20 seats in each), were purchased and brought to site. Muram for roads was collected and spread on the roads and materials were purchased for drainage gutters. The amount of the estimate is Rs. 43,991, and that expended during the year was Rs. 7,371, the total expenditure being Rs. 40,683.

115. A store-room for the Head-quarter Police Lines at Sholápur, consisting of one room 60′ × 20′, the height to under side of rafters being 13′ 10¼″,

was commenced during the year. The amount of the estimate is Rs. 2,779, of which Rs. 1,237 were expended during the year under report.

116. **Ahmednagar District.**—Owing to the outbreak of plague in the Police lines at Ahmednagar, ridge ventilators of single tiles were fixed over the roofs. The work was commenced and completed during the year under report at a total cost of Rs. 1,946, against an estimate of Rs. 2,619.

117. **Na'sik District.**—The Police lines at Peint, the construction of which was commenced in July 1895, were almost completed during the year. The additional works sanctioned were in progress. The expenditure during the year was Rs. 5,006, the total expenditure on the work being Rs. 13,212, against an estimate of Rs. 14,890.

118. **Kha'ndesh Disrtict.**—Lines for ten armed men for guarding the treasury attached to the new Mámlatdár's Kacheri at Yával are being constructed. The work was commenced in March 1899, and will be completed by the end of June 1899, estimated amount being Rs. 3,405, and the expenditure during the year Rs. 1,494.

119. **Dha'rwa'r District.**—The Police Lines at Ránebennur, commenced in 1896-97, were completed during the year under report. The total expenditure to end of the year was Rs. 8,165, against the estimate of Rs. 8,176, the outlay during the year being Rs. 3,372.

120. **Sa'ta'ra District.**—The Police lines at Shirála in the Válva Táluka, commenced in 1896-97, were completed during the year at a total cost of Rs. 7,879, against the estimate of Rs. 8,082, the outlay during the year being Rs. 4,365.

121. Additional Police lines at Medha for nineteen men were put in hand. The outlay was Rs. 1,497, against the estimate of Rs. 6,118.

122. **Central Hyderabad Canals District.**—The construction of a Police Post at Tando Jam was commenced. It provides one large room 16′ × 10′, one small room 12′ × 10′, one store-room 10′ × 10′; and stables consisting of two stalls each 10′ × 9′ with a 5′ verandah in front and a compound wall all round. The estimate was Rs. 2,502 and expenditure of the year Rs. 2,000.

123. The Police line at Gidu Bandar, commenced during the year, provides the following accommodation :—

A barrack room for ten single foot Constables 50′ × 10′.

A Store 10′ × 10′.

A room for Head Constable, 4th Grade, 10′ × 10′.

A room for Head Constable, 2nd Grade, 12′ × 10′, and along the length of the building a verandah 7′ wide.

Cook-room 6′ × 5′, bath-room 4½′ × 3′.

Open yard 10′ × 7½′, cook-room for Hindus 8½′ × 6′, and a cook-room for Mahomedans. The estimate was Rs. 3,873 and expenditure Rs. 2,000.

124. **Fuleli Canals District.**—Police lines at Hatri, which were completed during the year, provide accommodation as follows:—

One room for Head Constable 12′ × 10′ with 8′ verandah.

One room for Mounted Constable 10′ × 10′ with 8′ verandah.

Three rooms for Constables each 10′ × 10′ with 8′ verandah.

One stable of two stalls each 10′ × 9′ with 5′ verandah.

The Estimate was Rs. 2,717 and the expenditure was Rs. 2,671.

The above Police buildings are in accordance with the standard plan for Police lines in Sind.

15.—MEDICAL.

1.—Hospitals and Dispensaries.

125. **Presidency District.**—A sum of Rs. 4,043 was expended in purchasing old rails and corrugated iron sheets for a disinfecting shed for pilgrims proposed to

be constructed at Malet Bandar, Bombay ; the plan and estimate for the work are under the consideration of Government.

126. The work of erecting plague huts for the peons of the Customs Department, described in the last year's report, was completed at a total cost of Rs. 2,584, against the estimate of Rs. 2,672, the outlay during the year being Rs. 1,279.

127. The work of erecting temporary huts in different places in Bombay for the Bombay Plague Committee, described in the last year's report, was completed at a total cost of Rs. 56,834, against the estimate of Rs. 62,084. The outlay during the year was Rs. 29,178.

128. **Tha'na District.**—A dispensary at Andheri, according to standard plan B., estimated to cost Rs. 9,654, was in progress and a sum of Rs. 6,220 was expended during the year. A sum of Rs. 50,000 has been contributed towards the construction and maintenance of the dispensary by Bái Pirozbái, widow of the late Mr. Nusserwánji Jehángir Wádia.

129. **Surat and Broach District.**—The dispensary at Hánsot in the Broach District, described in the last year's report, was completed at a total cost of Rs. 8,952, of which Rs. 5,451 were spent during the year. The sanctioned estimate amounted to Rs. 8,956.

130. The dispensary at Kávi in the Broach District, described in the last year's report, was completed at a total cost of Rs. 6,139, of which Rs. 2,643 were spent during the year. The sanctioned estimate amounted to Rs. 6,361.

131. **Kaira District.**—The dispensary at Hálol, described in the last year's report, was completed at a total cost of Rs. 5,295, against the sanctioned estimate of Rs. 5,321. The expenditure of the year amounted to Rs. 4,806.

132. **Ahmedabad District.**—Additions and alterations to the hospital building at Sádra in the Mahi Kántha Agency, described in the last year's report as practically completed, were finished at a total cost of Rs. 4,586, against the sanctioned estimate of Rs. 4,672, the expenditure during the year being Rs. 38.

133. The dispensary at Satlasna, described in the last year's report, was completed at a total cost of Rs. 3,563, against the sanctioned estimate of Rs. 3,568. The funds were provided by the Political Agent, Mahi Kántha. The expenditure during the year was Rs. 1,436.

134. A dispensary at Ránpur, consisting of a surgery and dispensary room 14′ × 14′, one male ward 14′×14′, one female ward 14′ × 14′, and accommodation for the Hospital Assistant, was sanctioned during the year. The work is estimated to cost Rs. 4,443, and Rs. 1,552 were expended during the year in the collection of materials and excavating foundations. The work was stopped on account of a dispute about the site, and will be resumed as soon as the question is settled.

135. **Poona District.**—Some alterations to the observation camp at Poona were made. Rain-proof thatched blocks of huts to accommodate 500 people were constructed and all the offices were so altered as to enable them to withstand the monsoon weather. Cooking sheds, bathing platforms, &c., were provided The expenditure was Rs. 4,488, against an estimate of Rs. 7,428.

136. The plague hospital at Poona was made water-tight for the monsoon. The authorities thought it necessary to undertake extensive repairs and improvements to the wards and offices. Corrugated iron sheets were placed under the thin thatched roof, and decayed matting and thatch was renewed. The expenditure during the year was Rs. 2,787, against an estimate of Rs. 3,922.

137. **Shola'pur District.**—Rs. 3,246 were expended during the year in maintaining and repairing the plague hospital, segregation camp, disinfection sheds, &c., at Sholápur, the total expenditure being Rs. 15,450.

138. **Kha'ndesh District.**—Quarters for the Hospital Assistant attached to the dispensary at Sávda have been completed, according to standard plan B, at a total cost of Rs. 2,597, against an estimate of Rs. 2,671, the expenditure during the year being Rs. 2,597.

139. **Kola'ba District.**—The railing of the dispensary at Uran in the Kolába District, which remained to be completed in the previous year, could not be put up during the year under report for want of funds.

140. **Kara'chi Canals District.**—The Local Fund Dispensary at Jati, commenced last year, was completed at a total cost of Rs. 10,584, against the estimate of Rs. 10,516.

141. **Ghar Canals District.**—The construction of a new dispensary at Ratodero, commenced last year, was completed at a total cost of Rs. 4,685, against the estimate of Rs. 5,101.

142. **Central Hyderabad Canals District.**—The work of the Veterinary Dispensary at Hyderabad was commenced during the year, and comprises the following buildings :—

1. Officers' quarters.
2. Dispensary and office.
3. Stables, sheds and sink.
4. Servants' quarters.
5. Syces' quarters.
6. Open yard.
7. Latrines.

Private donations to the extent of Rs. 1,500 were received by the District Local Board towards the dispensary, which is to be named the 'Steele' Dispensary after the present Collector of Hyderabad, and the following additional works are provided in a revised estimate, amounting to Rs. 13,456, which has lately been approved and has been sent to the Board for sanction :—

1. A dogs' shed.
2. Sweepers' quarters.
3. Water service.
4. Marble commemorative tablet.
5. Additional accommodation for the Medical Officer in charge of the Dispensary.

The expenditure was Rs. 7,401 during the year, against the original estimated amount of Rs. 10,656.

4.—Lunatic Asylums.

143. **Tha'na District.**—On the Narotamdas Madhavdas Lunatic Asylum at Nowpáda the expenditure amounted to Rs. 78,485, the total expenditure from the commencement up to the end of the year being Rs. 3,06,086, against the sanctioned estimate of Rs. 4,08,777. The progress during the year was as follows :—

The brick nogging of work-shed No. III, which remained to be done last year, was finished. The walls of block R C were plastered and the door and window shutters fixed. The block is now completed in every respect. Block D, begun last year, was nearly completed during the year; a portion of asphalting on the first floor only remains to be done.

The cook-room for Overseer was completed.

Block B^{I}, b 1 and b 2 were entirely finished.

Block C was commenced and the superstructure raised up to the level of first floor. Block E^{I} was put in hand and completed except the item of asphalting.

Block F was completed up to the level of arching over the doors of the first floor.

Blocks J^{I}_{2}, M^{II}_{2}, U^{III} and U^{IV} were roofed over.

The superstructure of blocks M^{II}_{1}, M^{II}_{2} and U^{IV}_{2} was completed.

Blocks V and V[1] were completed up to top of plinth. The foundations of block Z were laid.

The 15 feet high compound wall round the blocks for male criminals was completed on the east, west and south sides, and the foundations on the north side were laid. The 15 feet high compound wall round the block for female criminals was completed. The 9 feet high compound wall was finished for a length of 1,064 ft. and foundations were laid for a further length of 525 feet. The total length of this wall is to be 4,350 feet. The branch road was maintained during the year and extended by a length of 539 feet. The total length of the made road is now 2,625 feet.

In consequence of the recrudescence of the plague in Bombay and Thána, certain Government clerks and other servants were again permitted to take refuge in these buildings, and accordingly some 500 persons found shelter therein. Two of the completed blocks were placed at the disposal of the Jail Department for use as observation wards for new arrivals.

16.—MISCELLANEOUS.

2.—PRINTING.

144. **Bombay.**—The work of providing fire fittings in the Government Central Press buildings was in progress. The fittings consist of a 4″ main laid in the road to the south of the building with a post hydrant at each corner, and a new tank 6′ × 5′ × 3′ 6″ in addition to the three old tanks with a 4″ down-take and 3″ branch pipes and 2½″ wall hydrants. The expenditure during the year was Rs. 3,600 against the sanctioned estimate of Rs. 4,470.

5.—MISCELLANEOUS OR GENERAL.

145. The work of providing drainage to the premises of the Observatory buildings at Colába, described in the last year's report, was completed at a total cost of Rs. 4,305, against the sanctioned estimate of Rs. 4,709. The outlay during the year was Rs. 2,715.

146. **Thana District.**—The new bungalow for the Superintendent at Mátherán, described in the last year's report, was practically completed and handed over for occupation in November 1898. There are a few minor additions still to be carried out, which will be completed during the next rains after the bungalow has been vacated. The total expenditure was Rs. 9,726, against the sanctioned estimate of Rs. 10,321, the outlay of the year being Rs. 5,815.

147. **Kaira District.**—The construction of additional warehouses at Nadiád, estimated to cost Rs. 5,714, was sanctioned during the year, but the work was subsequently suspended pending the final orders of Government on the site proposed. An expenditure of Rs. 284 was incurred in collecting materials before the work was suspended.

2.—COMMUNICATIONS.

148. The total outlay on communications was Rs. 21,81,586 sub-divided as under:—

	Rs.
Original Works	3,40,559
Repairs	13,45,422
Establishment	4,68,188
Tools and Plant	27,417
Total ...	Rs. 21,81,586

149. A statement showing the mileage of all the roads constructed and in progress from Imperial, Provincial and Local Funds under Public Works Agency, as well as extensions carried out during the year 1898-99, is appended to this report.

Appendix D.

150. The statements of extensions of Local Funds and Municipal roads, maintained by Civil Agency, for the years 1894-95 and 1895-96, referred to in last year's report, were issued and those for the years 1896-97 are under preparation.

151. A statement showing the progress made in the démarcation of roads in the Northern, Central, Southern and Sind Divisions for 1898-99, is also appended to this report. Appendix E.

152. A map, in 3 sheets, showing the progress made during the year on the principal lines of roads forms, as usual, an appendix to the report. Appendix F.

I.—METALLED ROADS.

A.—Bridged and Drained throughout.

153. **Surat and Broach.**—The road from Olpád to Sahol (*Local*), described in the last year's report and estimated to cost Rs. 43,912, was in progress. The length of the road is a little more than 9 miles and the width 20 feet. Nearly half the earth-work was completed and about half the quantity of metal collected. Four slab drains were completed and 1 culvert, 12 feet span, commenced. The total expenditure amounted to Rs. 17,121, including Rs. 16,122 spent during the year.

154. A road from Bárdoli Town to the Tápti Valley Railway Station of Bárdoli (*Local*) was commenced. The length of the road is nearly 1⅓ miles and width 20 feet. It is in continuation of the Sarbhon-Bárdoli road. The earth-work was completed and the required quantity of metal and materials for bridges, &c., were collected at a total cost of Rs. 4,454, against the sanctioned estimate of Rs. 11,656.

155. Metalling the Pálej Bazár Road (*Local*).—The bazár road, which used to get very muddy during the rains, was metalled at a cost of Rs. 3,685, against the sanctioned estimate of a like amount.

156. The fair weather road from Sahol to Iláo in the Broach District (*Local*), about 2 miles in length and 20 feet wide, was raised and metalled at a total cost of Rs. 4,890, against the sanctioned estimate of Rs. 5,105.

157. **Kaira District.**—*Constructing a metalled road from Mátar towards Cambay.*—This road, about 7¼ miles long, was sanctioned by the District Local Board of Kaira, but was subsequently suspended at the desire of the Board on account of the plague. The estimated cost of the road is Rs. 40,774, out of which Rs. 160 only were spent.

158. **Ahmedabad District.**—The road from Harsol to Talod (*Provincial*), described in the previous years' reports, was practically completed and opened for traffic from 1st October last. The expenditure during the year was Rs. 12,968, while the total outlay was Rs. 36,212, against the sanctioned estimate of Rs. 37,506.

159. The Dhanduka-Tagdi road (*Local*), described in the last year's report, was completed at a total cost of Rs. 24,867, including Rs. 1,031 expended during the year, against the sanctioned estimate of Rs. 24,843.

160. The work of re-making the road from Ahmedabad to Dholka (*Local*), described in the last year's report, was in progress, and a sum of Rs. 2,563 was expended during the year in metalling three miles of the road with blue stone metal. The total expenditure amounted to Rs. 15,386, against the sanctioned estimate of Rs. 25,862.

161. The work of metalling the first five miles of the road from Ahmedabad to Bareja (*Local*), described in the last year's report, was in progress and Rs. 9,979 were spent during the year in completing the fourth mile, the remaining two miles will be completed in the next year. The total expenditure amounted to Rs. 10,780, against the sanctioned estimate of Rs. 15,284.

162. The work of metalling the Ahmedabad-Bawla road up to sixth mile near Sarkhej (*Local*), described in the last year's report, was in progress during

the year. Two miles of the road have been completed and large quantities of metal purchased for use during the next year. The total expenditure amounted to Rs. 11,831, including Rs. 11,392 spent during the year, against the sanctioned estimate of Rs. 23,998.

163. **Shola'pur District.**—The construction of a bridge over the River Bhima at Pandharpur was suspended as reported last year. A sum of Rs. 3,656 was, however, expended during the year under report, in making payments for timber purchased from the Victoria Bridge Works at Násik and on account of sundry charges. The total expenditure to end of 1898-99 was Rs. 13,573, against an estimate of Rs. 5,87,562.

164. The work of improving the Sholápur-Tuljápur road (*Local*) was in progress. The expenditure during the year being Rs. 770 and the total expenditure Rs. 5,438. The work done consisted of excavating roadside gutters and muram and spreading the same on the road surface.

165. **Na'sik District.**—The diversion of Savalghát portion of the main line of the Násik and Balsád road was in progress and is nearly completed. The total expenditure was Rs. 35,837, the outlay during the year being Rs. 10,951. A revised estimate for this work is under preparation.

166. The Victoria Bridge across the Godávari River at Násik was reported as completed in 1896-97. The value of the timber transferred for the bridge over the river Bhima at Pandharpur was finally adjusted during the year under report. The compensation for land taken up for the Punchwati approach road has yet to be paid. The total expenditure, including establishment and tools and plant charges after adjusting the value of timber, &c., was Rs. 1,57,173, against an estimate of Rs. 1,51,325.

167. **Dha'rwa'r District.**—Improving the Pála-Bádámi road, Section II, between Gadag and Mulgund (*Local*).—Liabilities amounting to Rs. 1,549 on account of land compensation that were outstanding were paid during the year. The work was practically completed during the previous year. The total expenditure amounted to Rs. 99,695, against the estimate of Rs. 99,029.

168. **Central Hyderabad Canals District.**—Embanking and metalling the fourth mile of the Hyderabad-Tando Mahomed Khan road.—Wherever the existing unmetalled road had been worn down below the ground surface, a new alignment was adopted on high ground at the side and the roadway embanked to an average height of about nine inches. The work was commenced and completed during the year at a cost of Rs. 2,923, against an estimate of Rs. 3,098.

B.—Partially Bridged and Drained.

169. **Kaira and Panch Maha'ls District.**—The work of metalling the Godhra and Shera road, fourteen miles in length, has been in progress since 1894-95. Eleven miles were already metalled and the 12th and 13th miles were metalled during the year, leaving only the 14th mile to be done in the rains of 1899. The total expenditure amounted to Rs. 49,933, including Rs. 7,580 expended during the year, against the sanctioned estimate of Rs. 47,304.

170. The work of collecting metal for the road from Bodeli to Chhota Udepur in the Chhota Udepur State, estimated to cost Rs. 38,883, has been in progress, and metal to the value of Rs. 4,599 only, or about one-third the quantity required, has been collected during the year, as work was much hindered by the plague. A complete project for the road is under preparation.

171. **Sa'ta'ra District.**—Improving the Sátára-Mahábaleshvar road (*Provincial*).—The work was commenced during the year, the outlay being Rs. 9,915, against the estimate of Rs. 15,139.

172. **Belgaum District.**—Metalling and improving the Saundatti Dhárwár road (*Local*).—This road has now been metalled throughout. Some of the improvements remain to be completed. The total outlay to end of the year was Rs. 15,698, against the estimate of Rs. 16,654, the expenditure during the year being Rs. 1,610.

2.—UNMETALLED ROADS.

A.—Bridged and Drained throughout.

173. **Tha'na District.**—Branch road connecting Pápdi-Gokhirwa and Satavli Khind (*Local*).—This road, estimated to cost Rs. 3,208, was completed at a total cost of Rs. 3,206, including Rs. 376 spent during the year.

174. **Surat and Broach District.**—Improving the portion of the Broach-Jambusar road between Kelod and Samni.—This work, estimated to cost Rs. 8,664, was in progress. It cosnists of putting a layer of kunker over the two kutcha miles between the places named, which used to be cut up by the heavy traffic. The expenditure on the work during the year amounted to Rs. 1,755.

175. **Fuleli Canals District.**—Reconstructing the bridge over the Fuleli at Tando Mahomed Khan.—During the inundation of 1897, the tow rope of a heavy boat broke, causing the boat to collide with the bridge, knocking down two of the iron screw piles. The old bridge consisted of six spans, four of 27′ 4″ and two of 26′ 8″, with masonry abutments and cast-iron screw pile piers. The new bridge consists of seven spans, five of 24′ and two of 26′, with brick abutments and piers, the iron girders, planking and hand rails of old bridge being used. Materials were collected, wells sunk, and piers commenced during the year. The estimate was Rs. 16,337 and expenditure during the year Rs. 1,869.

176. Constructing a bridge over the Fuleli at Talhar.—The Local Board propose to make a direct road from Bago-Tando to Talhar, crossing the Fuleli close to Talhar. For the crossing a brick masonry bridge consisting of five spans of 30′ was sanctioned and allotment was given, but had to be withdrawn almost immediately on account of the demand for a contribution towards plague expenditure. The work has accordingly been postponed for the present. Some materials only were collected during the year. Estimate Rs. 18,369 and expenditure Rs. 795.

177. **Shola'pur District.**—The metalling of the Jeur-Karmála road (*Local*), was resumed during the year and the remaining three miles were completed. The expenditure during the year was Rs. 810 and the total outlay was Rs. 18,751, against an estimate of Rs. 19,358.

178. **Na'sik District.**—Constructing Shirghát-Ghoti road (*Provincial*).—The embankment and cuttings were completed up to chainage 7,400 during the year 1897-98 and were continued up to chainage 17,500 during the year under report. Drains Nos. 3 to 10 were also built in addition to Nos. 1 and 2 completed in 1897-98. The necessary metal was collected up to chainage 17,800. Muram was spread on the portion completed last year. The expenditure during the year was Rs. 10,107 and the total outlay Rs. 14,776, against an estimate of Rs. 1,73,496.

B.—Partially Bridged and Drained.

179. **Poona District.**—*Famine Relief Work.*—The Bárámati-Nira Station Road, as described in last year's report, was closed as a Famine relief work on the 9th of August 1898. Owing to the inability of the Local Board to provide funds, the maintenance had to be undertaken from Provincial sources. The amount of the estimate is Rs. 93,346, of which Rs. 87,837 were expended in all, the outlay during the year being Rs. 6,754.

180. **Shola'pur District.**—*Famine Relief Work.*—The work of metalling Kasalamb-Yermalla road and stacking metal for ten years' repairs to the same was re-opened on 8th July 1898 for relief purposes and was closed on 28th September 1898. Rs. 9,419 were expended during the year, the largest number of people employed at one time was 2,614 on the 11th August 1898.

181. **Kha'ndesh District.**—The Sakri-Ghorda road, described in previous reports, forms a portion of the Dhulia-Surat road in Khándesh District. The first 32½ miles from Dhulia to Sakri were in good order, but the remaining 54 miles with the exception of four miles in the ghát (48 to 52) were cleared only. The portion from Sakri to Ghorda, 7½ miles, was commenced as a Famine work

and the surfacing with muram has been completed with the exception of a quarter of a mile. Fourteen out of sixteen masonry works have been completed. The amount of the estimate is Rs. 37,152. The expenditure incurred during the year was Rs. 6,778 and the total outlay Rs. 26,796.

182. The road from Tápti river to Chopda (*Local*), as detailed in previous reports, has been completed. The amount of the estimate was Rs. 51,234, the expenditure during the year was Rs. 4,044, and the total outlay was Rs. 47,555.

183. The road from Amalner to Parola (*Local*), described in previous reports, was in progress. The road is twelve miles long. The earth-work was completed and eight miles were murammed. 8 out of 22 masonry works were completed. The amount of the estimate is Rs. 67,633, the expenditure during the year was Rs. 8,825, and the total outlay amounted to Rs. 33,318.

184. Tápti approaches on Nandurbár-Taloda road. The masonry works of the south approach were completed, surfacing in the muram was in progress. The whole work will be completed in 1899-1900. The amount of the estimate is Rs. 16,882, the expenditure during the year was Rs. 3,164, and the total outlay was Rs. 15,426.

185. **Ahmednagar District**.—The Kharda-Shrigonda road from the Sina river to Jamkhed was commenced during the Famine of 1896-97, and some works described in the last year's report were executed by Famine labour, earth-work in embankment, including barelling miles 43 to 47, collection and spreading of hard muram in part of mile 42 and in miles 43 to 45 was done. Metal was spread in miles 46 and 47. Rolling over metal and hard muram in the above miles was only partly done owing to insufficient rainfall. Mile and boundary stones from the Sina river to Kharda were fixed, and road dams in mile 45, nallah No. 18, mile 46, nallah Nos. 19 and 20, and mile 47, nallah No. 22, were constructed during the year under report: the total expenditure from the commencement of the work was Rs. 7,233, of which Rs. 3,986 was incurred during the year under report, the amount of the supplementary estimate being Rs. 14,832 and that of the sanctioned estimate being Rs. 3,052.

186.. **Kha'ndesh District**.—Construction of a road from Sindkheda to Gorana (*Local*) was not resumed owing to want of funds. The only work that was carried out during the year was the demarcation of the land taken up for the road. The amount of the estimate is Rs. 44,869, the expenditure during the year was Rs. 165, and total outlay was Rs. 11,686.

187. Construction of a road from Taloda to Nandurbár (*Local*), described in previous reports, was in progress. Nine miles of earth-work were practically completed and two were in progress. Two masonry works were completed and one was in hand. The amount of the estimate is Rs. 71,270, the expenditure during the year was Rs. 3,843, the total outlay being Rs. 8,456.

188. **Tha'na District**—Road from Ambádi to Vajreshwari (*Local*).—The road estimated to cost Rs. 15,787 was in progress. During the year, the ford over the Saitáni river was completed and the approaches were metalled. The road up to Vajreshwari is now complete in every respect, and the embankment for the remaining length of one mile is finished and its muramming will be completed during the rains of 1899. The total expenditure amounted to Rs. 11,616, of which Rs. 1,503 were spent during the year.

189. Road from Khodála to Mokháda (*Provincial*).—This is to be a branch road from Khodála on Wáda-Shirgát road to Mokháda, an outlying hilly mahál, very isolated and inaccessible, and is to be 14 miles in length. The work was commenced in February 1899 and a sum of Rs. 2,491 was spent against the sanctioned estimate of Rs. 1,04,830.

190. Road from Manor to Kase-Medwan Khind to Waroti portion (*Provincial*).—This is to be a forest road in continuation of the existing forest road from Manor to Medwan Khind, and when completed, will connect the Máhim-Wáda road with the Dáhánu-Jawhár road. The length of the road is 6½ miles and the estimate amounts to Rs. 23,262. The work was commenced in June 1898, and the xpenditure during the year was Rs. 2,491.

191. Road from Kulwa to Belápur, 2nd Section (*Local*), described in last year's report, was in progress. The earth-work was finished over a further length of three miles, while three drains and three level-crossings were completed and muram was collected. The expenditure during the year was Rs. 6,479, and the total expenditure was Rs. 7,009, against the sanctioned estimate of Rs. 28,027.

192. Pitching on the sides of the Málád-Merwa road (*Local*), described in last year's report, was completed at a cost of Rs. 4,566, against the sanctioned estimate of Rs. 5,103, the outlay of the year being Rs. 1,994.

193. **Surat and Broach District.**—A low level bridge across the Tavra Khadi on Broach-Shukaltirth road (*Local*), consisting of 5 spans of 10 feet each with old rail piers and corrugated iron floor plates, was commenced and completed at a total cost of Rs. 3,360, against the sanctioned estimate of Rs. 3,361.

194. **Belgaum District.**—Road from Kudchi to Terdal (*Local*).—This feeder road to the Southern Maratha Railway from Jamkhandi is complete and was opened to traffic, and a toll set up near the station. The total outlay to end of the year amounts to Rs. 66,607 against the estimate of Rs. 66,856, the outlay during the year being Rs. 2,254.

195. **Dha'rwa'r District.**—Constructing Gokák-Nargund road (*Provincial*).—During the year under report, only such works as were necessary to keep the work already done from deterioration were carried out. The total outlay to end of the year was Rs. 9,160, against the estimate of Rs. 10,194 the expenditure during the year being Rs. 198.

196. Constructing a road from Gajendragad to Naregal (*Local*).—The work was first started as a semi-Famine Relief work in 1896-97 and continued during the following year and the year under report. The chief item of work done during the year was consolidation of the road surface. A sum of Rs. 4,537 on account of compensation for land taken up, was paid during the year. The other items of work were those carried out for securing the work, already done, from suffering in any way.

197. A length of road of about 4 miles, lying between Kotumachgi on the Pála-Bádámi road and Naregal village, and called till now Kotumachgi-Naregal road, and to which special repairs were lately executed by this Department, was linked to this road, and the whole road was named the Kotumachgi-Gajendragad road, increasing the length from about 17 miles to 21 miles. The total outlay to end of the year was Rs. 37,159, against the estimate of Rs. 67,889.

198. Constructing a road from Ron to Gajendragad (*Local*).—This work, which was started as a semi-Famine Relief work in the previous year, was continued during the year under report, and consolidation of the road surface was carried out. A sum of Rs. 1,583 was paid on account of compensation for the land taken up. Steps were taken to prevent the work, done during the past years, from suffering in any way. The total outlay to end of the year was Rs. 30,459, against the estimate of Rs. 79,697.

199. Constructing a road from Nargund to Málápur (*Local*).—This also like the above two roads was first started in 1896-97 as a semi-Famine Relief work and continued during the year under report. The road surface was consolidated and a sum of Rs. 39 on account of compensation for land was paid. The total expenditure amounted to Rs. 38,221, against the estimate of Rs. 75,342, the expenditure during the year being Rs. 1,116.

200. **Bija'pur District.**—Road from Bijápur to Bágevádi, 24 miles (*Local*).—Improvements to the portion of this road from Donnala to Mangoli, 6½ miles, were put in hand in 1895-96, and were completed during the year under report. The total outlay to end of the year was Rs. 39,216, against the estimate of Rs. 39,283, the outlay of the year being Rs. 4,708.

201. Bijápur-Sindgi road, 35½ miles (*Local*).—This road was commenced in 1891-92 as a Famine Relief work. Improvements were resumed during 1895-96 as an ordinary work, half the cost being contributed by Government from Provincial Funds and half from Local Funds. The total expenditure on the work was Rs. 1,20,971, against the estimate of Rs. 1,35,561, the expenditure of the year being Rs. 17,744.

3.—ROADS BANKED AND SURFACED WITH MURAM OR SIMILAR MATERIAL BUT NOT DRAINED.

202. **Surat and Broach District**.—The fair weather road from Derol to Bhuki Bridge (*Local*) in the Broach District, was raised and kinkered at a total cost of Rs. 6,884 against the sanctioned estimate of Rs. 8,735. The length of the road is about 2 miles and the width 20 feet.

203. **Na'sik District**.—(*Incorporated Local Fund*).—The road from Dholbari to Shellbari was completed up to the 3rd furlong of mile No. 2 and was opened for traffic. The earth-work and spreading of muram was nearly completed up to the 7th mile. The expenditure during the year was Rs. 4,316, the total outlay being Rs. 12,693, against an estimate of Rs. 34,348.

4.—ROADS BANKED BUT NOT SURFACED, PARTIALLY BRIDGED AND DRAINED.

204. **Ahmedabad District**.—Branch road from Ahmedabad-Dholka road to the village Sahijpur-Gopalpur (*Local*), described in the last year's report, was completed at a total cost of Rs. 2,746 against the sanctioned estimate of Rs. 2,972, the expenditure during the year being Rs. 1,989.

205. **Kara'chi Canals District**.—Road from Gharo to Dabeji (*Local*).—Improvements to this road were commenced last year and were in progress during the year. The total outlay up to 1898-99 was Rs. 3,814, against the estimate of Rs. 5,659.

206. **Shika'rpur Canals District**.—Road from Shikárpur to Karkhel (*Local*).—The bridge over Mirzawah on this road commenced last year was completed at a cost of Rs. 2,654, against the estimated amount of Rs. 2,656.

207. Road from Jafferabád to Buja Nápur (*Local*).—The bridge over the Sind Canal at Buja Nápur was commenced and completed during the year at a cost of Rs. 5,154, against the estimate of the same amount. It has three openings, each 15 feet wide, and a road-way 16 feet wide with approaches on both sides 1 in 30.

208. Roads from Shikárpur to Lárkána and Ghari Yásin to Dakhan (*Local*).—Two bridges on these roads were constructed over Mangharwah. The outlay on them was Rs. 4,416 and 5,300, against the sanctioned estimates of Rs. 4,417 and 5,300, respectively. The former consists of 2 spans, each 15 feet wide, and the latter 3 spans, each 8 feet wide. The latter bridge can, if required, be used as a regulator.

5.—ROADS, CLEARED, PARTIALLY BRIDGED AND DRAINED.

209. **Surat and Broach Districts**.—Reconstructing the Bridge across the Kim River at Sahol (*Local*) described in the report for 1896-97, was completed. The expenditure during the year amounted to Rs. 24,138 and the total expenditure was Rs. 38,339, against the sanctioned estimate of Rs. 40,211.

210. A low-level bridge across Tena Creek at Itchapur in Olpád Táluka (*Local*) of 13 spans of 12 feet each, with paved and pitched approaches, was commenced. The bridge is to consist of old Railway rail piers and the roadway is to be of Westwood and Bailie's corrugated iron flooring plates and stone pavement. The cross and longitudinal girders, as well as the bracing of the piers are to be of old rails. The sanctioned estimate amounts to Rs. 13,613, out of which Rs. 3,244 were spent during the year.

211. A bridge across the Doliakhadi on Jambusar Tankaroa Road of 19 spans of 12 feet each and 8 feet high above the bed of the Khadi, was commenced and nearly completed during the year. The piers are of old rail piles framed together with the same material. The roadway consists of teak sleepers and a layer of lime kunker. The sanctioned estimate amounts to Rs. 9,035, out of which Rs. 7,653 were spent during the year.

212. **Bija'pur District**.—Improving the road from Sindgi to Indi *viâ* Almet, $31\frac{1}{4}$ *miles* (*Local*).—Improvements to this road were put in hand in 1894-95, half the cost having to be met from Provincial and half from Local Funds, and an expenditure of Rs. 13,235 was incurred as an ordinary Local

Fund work, against the estimate of Rs. 1,44,154 to end of March 1898. Some improvements were also made to this road in 1896-97, by famine labour, at a cost of Rs. 1,90,419, against an estimate of Rs. 3,03,344. An estimate for completing this road has since been prepared for Rs. 67,756 and an expenditure of Rs. 5,584 was incurred thereon during the year under report.

213. Improving the Road from Havin-Hippargi to Telgi, 19½ miles (*Local*).—The improvements have been in progress since 1895-96; half the cost to be met from Provincial contribution and half from Local Funds. During the year 1896-97, the work on this road was opened as a Famine Relief work and was so continued during 1897-98. The expenditure incurred to end of March 1898 on this road, as an ordinary work, was Rs. 13,389, against the original sanctioned estimate of Rs. 82,428. The famine expenditure on the road was Rs. 1,45,897, against the famine estimate of Rs. 1,49,272. A fresh estimate, however, has since been prepared amounting to Rs. 18,912 for completing the road and an expenditure of Rs. 4,988 was incurred during the year under report.

6.—ROADS, CLEARED ONLY.

214. **Ahmedabad District.**—Road from Sadra to Prántij.—The total length of this road is 11 miles, three miles of which consist of portions of the old roads from Ahmedabad to Prántij and Prántij to Harsol. A portion of the road, 1 mile and 775 feet in length, which passes through the Baroda Territory, will be carried out by the Baroda Darbár, and the remaining length of nearly 7 miles lying in the British territory will be carried out by the Local Board. During the year, the road was marked out with cactus hedges and the earth-work in a length of about 3 miles of the bad portion, has been completed.

The expenditure during the year was Rs. 1,500, against the sanctioned estimate of Rs. 4,432.

SURVEYS.

215. **Tha'na District.**—Surveying the Road connecting Gokhirwa-Pápdi with the A'mbádi-Vajreshwari Road.—A line of road was surveyed and plotted. It is under contemplation to survey an alternative line before completing the project. The expenditure during the year was Rs. 142, against the sanctioned estimate of Rs. 495.

216. **Na'sik District.**—Surveys of the Kotumbighát on the Násik and Balsád road and that of the Karanjali-Harsul road were in progress. A part of the allotment sanctioned for the latter was surrendered for want of establishment to complete the work.

217. **Kha'ndesh District.**—A survey for a road from Ghorda to Visarwadi, and on to Chinchpáda Tápti Valley Railway station, is practically completed. The plan and estimates for the portion from Ghorda to Kondaibári have been prepared. The survey made for the other portion from foot of the Kondaibári ghát is being plotted. From Ghorda to Visarwadi, the road forms part of the Dhulia-Surat Provincial road, and is a fair weather road except from mile 48 to mile 52, the ghát portion, which is metalled. The amount of the estimate is Rs. 2,747, the expenditure during the year was Rs. 445, and the total outlay was Rs. 631.

Surveys for and preparation of tank projects.

218. The outlay under this head was Rs. 293 only from excluded Local Funds contributed by the Nandurbár Municipality for sinking trial pits, &c., on the site of the proposed Dudhala Tank intended to provide a water-supply to the town. On completion of the trial pits, a preliminary report was sent. The site, however, was declared unsuitable by the Superintending Engineer, Central Division, on personal inspection, owing to the very defective nature of the waste channel, which will not stand the action of water, and would be scoured down in the course of a few years, with heavy floods. Further trial pits are necessary to ascertain the position of hard rock, if any exists at a reasonable depth. The Municipality was asked if it was prepared to bear this additional cost.

5.—INSPECTION HOUSES AND OTHER BUILDINGS.

219. **Surat and Broach District.**—An Inspection Bungalow at Wágra, consisting of two rooms 14′×14′ each, with a bath-room 14′×7′ attached to each and 8 feet wide verandah all round, was commenced and completed during the year. Servants' quarters were also built. The total expenditure amounted to Rs. 3,924, against the sanctioned estimate of Rs. 3,935.

220. **Poona District.**—The construction of an Inspection Bungalow with out-houses at Khed on the Poona-Násik road was practically completed. Khed being an important táluka station, officers of all departments on their tours towards Pábal, Bhorgiri or Junnar usually halt at this place and an Inspection Bungalow was therefore much wanted. The building consists of 2 rooms each 12′ × 12′ with an open verandah 6 feet 6 inches wide in front and back, and closed side verandah rooms serving as bath, store and office rooms. A block of out-houses, consisting of cook-room, servants' quarters and stables is also provided. The expenditure during the year was Rs. 3,151, against the estimate of Rs. 3,469.

221. **Kha'ndesh District.**—(*Local*) Inspection Bungalow at Sindkheda is on the same plan as the other Inspection Bungalows in the Khándesh District, consisting of two rooms each 16′ × 12′ with a verandah 8 feet wide all round, two bath-rooms each 13′ × 6½′ and the usual out-houses. The amount of the estimate is Rs. 4,909. The expenditure during the year was Rs. 4,817 and the total outlay Rs. 4,817.

222. **Sa'ta'ra District.**—The Inspection Bungalow at Udtara on the Provincial road from Poona to Bangalore was commenced in 1896-97 and finally completed during the year under report. The outlay of the year was Rs. 62, the total expenditure from commencement being Rs. 3,427, against the estimate of Rs. 3,464.

223. **Ratna'giri District.**—The work of re-constructing the rest-house at Kashedi was commenced in December 1898, and foundations and plinth were completed by the end of the year under report, the expenditure being Rs. 1,500, against the estimate of Rs. 2,549.

7.—BOATS, BRIDGES AND FERRIES.

224. **Kara'chi Canals District.**—Quarters for Ferry Superintendent, Saidpur Táluka.—This work was commenced during the year. The outlay was Rs. 413 only, against the estimate of Rs. 2,729.

225. **Poona District.**—A new double ferry boat at Koregaon measuring 25½ feet in length and of 17 feet beam is being constructed to replace the worn out one. The expenditure during the year was Rs. 2,141, against an estimate of Rs. 5,275.

8.—ACCOMMODATION FOR TRAVELLERS.

226. **Surat and Broach District.**—(*Local*) A Dharamsála at Samni, consisting of a central open room 30′×30′×10½′ for all comers and two sets of rooms, one at each end, consisting of a living room 12′×12′ and a cook-room 12′×9′ for the better class of people, was commenced and completed at a total cost of Rs. 3,780, against the sanctioned estimate of Rs. 3,796.

227. **Ahmedabad District.**—A dharamsála at Modása, consisting of three open sheds each 30′×15′ with four corner rooms each 15′×14′, was commenced and nearly completed at a cost of Rs. 4,053, against the sanctioned estimate of Rs. 4,389.

228. **Na'sik District.**—The construction of a dharamsála at Peint was in progress. Foundations were filled in and teak wood was purchased. The work was suspended as part of the allotment was withdrawn by the District Local Board. An expenditure of Rs. 783 was incurred during the year, the total outlay being Rs. 858, against the estimate of Rs. 2,780.

9.—ARBORICULTURE.

229. **Tha'na District.**—On the Provincial roads the number of trees planted during the year was 1,247, out of which 549 died, giving a percentage of 56 surviving. The total of trees is thus increased from 17,106 to 17,784.

On the Local roads the number of trees planted during the year was 1,853, out of which 971 died, giving a percentage of 48 surviving. The total of trees is thus increased from 27,652 to 28,534.

230. **Surat and Broach District.**—The road-side trees on the following two roads have been maintained from Provincial grants:—

(1) Road from Párdi to Chival.

(2) Road from Daman to Wápi.

One hundred and eighty-four new trees were planted on the Párdi-Chival road and 55 on the Daman-Wápi road during the year, and 63 on the former and 27 on the latter foad died during the year.

There are no nurseries maintained in this district.

231. **Kaira and Panch Maha'ls.**—

Provincial.

Names.	Plants left in on 31st March 1899 after transplantation.	Annual cost of maintenance.
Godhra-Shera Road—		
Khandia	667	70
Chikni	659	70
Limkheda and Jhalod Road, Provincial portion—		
Wankdi Bridge ...	290	52

The nurseries maintained for planting road-side trees on Provincial roads are as shown in the margin. 1,565 young plants were transplanted on the road-side from the nurseries at Khandia and Chikni. No plants were transplanted from the Wankdi bridge nursery as they were too young.

Incorporated Local.

232. No nurseries are maintained for Local Fund roads, as seeds are sown direct or cuttings are planted. The trees on the Local Fund roads in the Panch Maháls are in charge of the Civil Department. The following statement shows the state of the trees on each road at the end of the year:—

Names of Roads.	Opening balance.	Add trees the circumference of which has been 29" or more at 4 feet from the ground during the year.	Total receipts.	Died or sold during 1898-99.	Closing balance.	Remarks.
1	2	3	4	5	6	7
Provincial.						
Road from Kapadwanj to Bibipura, including Ladwell branch ...	3,010	86	3,096	454	2,642	
Road from Limkheda to Jhalod (Provincial portion) ...	1,153	314	1,467	25	1,442	
Road from Godhra to Shera ...	362	...	362	147	215	
Incorporated Local.						
Road from Kaira to Mehmadabad .	2,167	260	2,427	17	2,410	
Do. to Sábarmati river ...	4,156	100	4,256	891	3,365	
Road from Nadiád to Wásna ...	4,751	265	5,016	557	4,459	
Do. Bárejri Railway station to Náika ...	4,982	1	4,983	1,249	3,734	
Do. Nadiád to Kapadvanj ...	6,145	411	6,556	510	6,046	
Do. Dakor do. ...	3,846	106	3,952	757	3,195	
Do. Páli to Bálásinor ...	1,215	337	1,552	28	1,524	
Do. Wásad to Borsad ...	2,491	136	2,627	274	2,353	
Do. Petlád to Cambay (British portion) ...	541	52	593	210	383	
Do. Páli to Hungadi ...	131	143	274	16	258	

233. **Ahmedabad District.**—Road-side trees have been planted and maintained as under:—

	No. of trees.
Modása-Bibipura road	250
Harsol-Dhansura road...	159
Talod-Harsol road	88
Extra municipal roads, Ahmedabad, and road from foot over-bridge approach near Kálupur gate to Camp, Ahmedabad...	118

234. **Poona District.**—The road-side trees along the Provincial roads in the Poona District have been properly maintained during the year at an expenditure of Rs. 2,655, against an estimate of Rs. 2,657.

235. **Shola'pur District.**—The road-side trees were preserved and maintained throughout the year at a cost of Rs. 775 in the Sholápur District as usual.

236. **Ahmednagar District.**—The trees on the Provincial roads in this district were maintained during the year at a total expenditure of Rs. 741.

237. **Na'sik District.**—The following statement shows the number of trees planted and preserved on each road in Násik District during the year under report, the expenditure being Rs. 2,477:—

No.	Roads.	Number of trees planted.		Number of trees preserved.		Trees felled and sold by public auction.		Remarks.
		No.	Cost.	No.	Cost.	No.	Amount realized.	
	Provincial.		Rs		Rs.		Rs.	
1	Málegaon-Manmád Road... ...	112	65	414	174	12	14	
2	Manmád-Kopargaon road ..	86	30	502	62	...	*5	* Sale of branches trees.
3	Bombay-Agra Road	672	229	7,876	619	377	110	
4	Nándgaon-Aurangabad Road ..	43	28	240	36	3	8	
5	Násik-Poona Road	100	20	227	110	80	370	
6	Násik-Balsád Road	...	...	1,120	84	14	24	
7	Ghote-Shirghat Road	135	11	110	42	...	...	
	Local.							
8	Roads in and about Násik ..	...	...	21	24	...	...	
9	Násik-Trimbak Road	†277	61	299	129	...	61	† Holes for trees prepared.
10	Násik-Dindori and Kalvan Road.	130	33	561	340	...	8	
11	Khándesh-Nizám's Frontier Road	...	...	9,031	225	184	71	
12	Násik-Waghera Road	...	...	935	141	...	...	
13	Satána-Málegaon Road	22	9	102	5	4	5	
			486		1,991			

238. **Kha'ndesh District.**—Cuttings and young plants from nurseries were planted early in the rains and watered when necessary. The result is that the number of living trees is 90 per cent. of those planted during the year as shown in the following statement:—

Name of Road.	Trees and cuttings planted and watered.	Died.	Survived.
Bombay-Agra Road	339	56	283
Dhulia-Surat Road	85	.....	85
Dhulia-Chálisgaon Road	432	29	403
Roads connecting Government buildings at Bhusával	.....	.....	.....
	856	85	771

Trees planted in former years were preserved. The amount of the estimate is Rs. 1,590 and the expenditure during the year was Rs. 1,464.

239. **Belgaum District.**—On the three lengths of the Nipáni-Mahálingpur Road within Kolhápur State limits, four nurseries at different points have been

established and some 2,500 tree pits excavated at a cost of Rs. 1,833, against the estimate of Rs. 5,751. The Kolhápur State has been good enough to furnish the District Local Board with the funds required for this work.

On all the Provincial Roads in this district the trees have been maintained, and the young plants in certain short lengths watered and preserved. A few nurseries in charge of bungalow and store Chaukidárs have also been set up where water is at hand.

On the Gokák-Nargund Road (Local) two nurseries have been maintained and the young road-side trees watered and preserved.

In nearly all the bungalow compounds in the district the planting and preserving of shade-giving trees has received careful attention.

240. **Dha'rwa'r District.**—The total number of trees planted on the road-sides in this district during the year was 1,575, of which 420 died and 1,155 survived.

The following table gives the details :—

	Trees planted.	Trees died.	Trees survived.
Poona-Bangalore Road	217	58	159
Kárwár-Bellary „	258	45	213
Dhárwár-Goa „	439	127	312
Hubli-Sholápur „	214	24	190
Hubli-Kumta „	217	96	121
Havánur-Ekambi „	82	16	66
Dhárwár Railway Station Road	58	28	30
Dundur do. „	70	21	49
Karur do. „	20	5	15
Total ...	1,575	420	1,155

The outlay on planting and maintaining trees was Rs. 1,087 during the year.

241. **Ka'nara District.**—In Kánara nothing was done under this head during the year, the district being well provided with trees.

242. **Bija'pur District.**—The total expenditure under this head on watering and fencing road-side trees was Rs. 607 and on maintaining a nursery Rs. 60. The following are the roads on which trees were maintained :—

1. Belgaum-Bágalkot Road, section from Khájidoni to Bágalkot.
2. Bijápur-Miraj Road, section from Bijápur to Honvad.
3. Sholápur-Hubli Road, section from Takli on the river Bhima to Konur on the river Málprabha.

243. **Sa'ta'ra District.**—The expenditure incurred on maintenance of road-side trees on 6 Provincial Roads was Rs. 1,220 and on 13 Local Roads Rs. 3,144. The following are the roads on which trees were maintained :—

Provincial

1. Poona-Bangalore Road, from the Níra to the Wárna river
2. Karád-Chiplun Road.
3. Karád-Bijápur Road.
4. Sátára-Shendra Road
5. Surul-Mahábaleshvar Road.
6. Sátára-Mahábaleshvar Road.

Local.

1. Malhárpet-Pandharpur Road.
2. Tásgaon-Pingli Road.
3. Peth-Sángli Road.
4. Sátára-Tásgaon Road.

5. Waduj-Pusegaon Road.
6. Pusesávli-Singnápur Road.
7. Sátára-Pandharpur Road.
8. Sátára-Párli Road.
9. Karád-Tásgaon Road.
10. Wái-Wáthár Road,
11. Wái-Pachwad Road.
12. Tásgaon-Ashta Road.
13. Old Poona Road.

Nurseries were kept up at Shirála, Ashta, Waduj and Sátára.

244. **Ratna'giri and Kola'ba Districts.**—On the Provincial Roads in the Ratnágiri and Kolába Districts, the number of trees planted during the year was 2,193 as detailed below. Those already in existence were maintained at a total cost of Rs. 1,833 :—

Name of Road.	Number of trees planted.
Ratnágiri District.	
1. Hatkhambe-Poládpur Road	176
2. Road from Ratnágiri to the foot of Amba Ghât ...	150
3. Road from Sakhárpe to Sangameshvar	100
4. Páli-Kasarda Road	400
5. Viziádurg-Phonda Road	50
6. Karád-Chiplún Road, section from Kumbhárli Ghât to Chiplún and Gawalkot	16
7. Harnai-Khed Road	25
Total, Ratnágiri District ...	917
Kolába District.	
8. Road from Alibág to Cámpoli, section from Alibág to Dharamtar	234
9. Do. do. section from Dharamtar to Cámpoli ...	128
10. Do. do. Bombay to Poona, section from Ulva to Chauk	142
11. Thána-Panvel Road	77
12. Panvel-Jassai Road	56
13. Road from Mahapral to Shirval, section from Mahapral to Bhor State boundary	200
14. Nágothna-Mahád Road	155
15. Mahád-Mahábaleshvar Road, section from Mahád to Kineshvar	284
Total, Kolába District ...	1,276
Total, Ratnágiri and Kolába ...	2,193

3.—MISCELLANEOUS PUBLIC IMPROVEMENTS.

The outlay under this head was Rs. 2,66,052 sub-divided as follows :—

	Rs.
Original Works	1,38,544
Repairs	76,132
Establishment	48,784
Tools and Plant	2,592
Total ...	2,66,052

2.—MARKETS.

245. **Bija'pur District.**—The Municipality of Bijápur have undertaken the execution of the remaining two blocks of their market through their own agency.

5.—WATER-SUPPLY.

246. **Tha'na District.**—The water-supply works at Murbád, described in the last year's report, were in progress. The puddle trench and earth-work of the tank bund were finished before the rains and the filtration gallery completed. The tower was roofed over and the 4″ pipes for the supply main were purchased. The total expenditure was Rs. 17,525, against the sanctioned estimate of Rs. 32,830. The expenditure during the year was Rs. 9,060.

247. Improving the water-supply at Mátherán. The existing arrangements for the supply of water from Charlotte Lake having proved quite unequal to the increased demand for it, it is proposed to provide a 4″ pipe outlet in place of the old 3″ outlet, and to increase the number of bhistis' stand-pipes from 6 to 18. A few dhobis' cisterns and a cattle-trough are also to be provided. The work was sanctioned at the end of February 1899, and a sum of Rs. 1,305 was expended in collecting materials, against the sanctioned estimate of Rs. 9,109. The work is in progress, and is expected to be completed before the rains of 1899.

248. **Surat and Broach Districts.**—The Surat and Ránder water-supply works, described in previous reports, were in progress. The finances of the Municipality being in a strained condition, it was not practicable to complete the works during the year. At the head-works, the third supply well was constructed, and the 16″ pipe connection between it and second supply well was made. In the city about 18 miles of distribution service mains were laid, and three cattle-troughs, 14 stand-posts, one bhistis' service, and one fountain were constructed during the year, while at Ránder about 5½ miles of distribution mains were laid. The total expenditure of the year was Rs. 46,216 and the total expenditure from the commencement of the works was Rs. 9,38,800, against the sanctioned estimate of Rs. 9,60,234.

249. **Ahmedabad District.**—The retaining wall round the Phedra Tank, described in the last year's report, was in progess and Rs. 1,000 were spent during the year, against the sanctioned estimate of Rs. 5,512. The total expenditure amounted to Rs. 4,191.

250. The retaining wall to the tank at Utelia, described in the last report, was completed at a total cost of Rs. 2,908, against the sanctioned estimate of Rs. 4,333. The expenditure during the year amounted to Rs. 589.

251. Repairing the tank at Bareja in the Daskrohi Táluka, described in the last year's report, was completed at a total cost of Rs. 1,437, against the sanctioned estimate of Rs. 4,138. The expenditure during the year amounted to Rs. 1,232. A large portion of the excavation originally intended was omitted owing to the presence of water.

252. **Na'sik District.**—Improvements to water-supply at Yeola.

The state of the work at the close of the year was as shown below:—

Sub-work.	State of work.
Sinking new well	Completed.
Platform for pump	Completed with the exception of iron railing which is to be erected after the machinery is fixed.
Feed drain	To be constructed after the new well is tried as to its water-yielding power.
Water tank at well A	Not yet received.
Engine-shed	Completed.
Machinery...	Not yet ordered.

Sub-work.	State of work.
Improvements to well B ...	To be taken in hand if the well A fails to supply sufficient water.
Do. C ...	Do. do.
Service reservoir	Masonry works completed; cement plastering to be done; the greater part of special pipes received.
Pipes valves	Some of the specials have been purchased locally and some are still required. The question of purchasing them locally is under consideration.
Service cistern A	Masonry works completed.
Service cistern B	Masonry works completed.
Service cistern F	Masonry works completed.
Service cistern K	Masonry works completed.
Service cistern C	Do. but the concrete roofing remains unfinished for want of rolled beams.
Service cistern D	Do. but the concrete roofing remains unfinished for want of rolled beams.
Service cistern E	Do. but the concrete roofing remains unfinished for want of rolled beams.
Service cistern G	Not yet commenced as sites have not yet been handed over.
Service cistern H	Not yet commenced as sites have not yet been handed over.
Service cistern I	Not yet commenced as sites have not yet been handed over.

The total expenditure on the work was Rs. 56,187, against the estimate of Rs. 1,27,921, the outlay during the year being Rs. 28,687.

253. **Belgaum District.**—The following wells (Local) were constructed, completed or improved :—

Village.	Estimate.	Outlay.		Remarks.
		Total.	During year.	
	Rs.	Rs.	Rs.	
Jalikatti	2,689	2,496	537	In progress.
Siddapurwadi	3,638	3,373	1,655	Do.
Hirekumbi	4,581	4,130	332	Completed.
Kolanhatti	3,090	3,071	1,438	In progress.
Hire Uligeri	2,772	2,674	500	Do.

254. **Dha'rwa'r District.**—The *Hubli* water-works have been fully described in previous reports. The works were finally completed and accounts closed in 1895-96. During the year under report, the sum of Rs. 42 was expended on fees paid to the Chemical Analyser to Government of Bombay, for water analyses. That officer reports as below on the two samples sent to and tested by him in January 1899, showing an improvement on previous analyses.

Sample No. 3, Stand Post near Police Lines.

Sample No. 4, Unkal Tank.

Both are fair samples of potable water.

The lightning conductor attached to the engine-house chimney was tested twice on 27th April 1898 and 20th January 1899, and the results of the tests were satisfactory.

Regarding filter beds, the Municipality recognise their necessity, but state that the matter may be postponed for the present, funds not being available on account of recent heavy plague expenditure.

The Municipality have discussed the question of the probable cost required for the extension of distribution pipes, and have resolved that since the work

will require a large outlay, they are not in a position to undergo the expense in the present straitened condition of their finances.

255. The Sávanur State having paid into the Government Treasury the amount of the estimate for repairs to the feed channel of Moti Tálao at *Sávanur*, the work was commenced in the previous year and an expenditure on—

	Rs.
Works	4,821
Establishment	578
Tools and Plant	72
	5,471

against the estimate of Rs. 5,905 was incurred up to the end of the year under report. The work is still in progress and a revised estimate is under preparation.

256. Improvements to the tank at Kotbal were carried out during the year. Some attempt to do some excavation and other masonry works was made in July and completed according to sanctioned estimate. The total expenditure up to the end of the year was Rs. 3,452, against the estimate of Rs. 3,475, the outlay during the year being Rs. 139.

257. Improvements to the following tank and wells in progress in the previous year could not be undertaken owing to an excess of water :—

1. Tank at Devgeri.
2. Well at Hallikeri.
3. Well at Hirehal.

258. **Kola'ba District.**—The water-works at Panvel, described in previous reports, were in progress during the year; a retaining wall at the head-works was built and new cocks fixed in the place of broken ones. The work of constructing six additional stand pipes and five fire hydrants was commenced, but was not completed for want of funds.

The Municipality have been requested to take over the work which has been practically completed for some time past. The few items which remain to be done being of a minor nature can be done by the Municipality when funds are available. The total expenditure was Rs. 99,216, against the estimate of Rs. 1,10,831.

259. **Bija'pur District.**—Wells at Mamdápur, Bevinmatti and Koner were in progress, the outlay to end of the year being Rs. 2,318, 2,034 and 14, against the estimates of Rs. 3,016, 2,528 and 2,607, respectively.

6.—Sewage and Drainage.

260. **Bombay.**—The work of constructing roads and drainage on the Chaupáti Estate, Bombay, described in previous reports, was completed at a total cost of Rs. 63,369, against the sanctioned estimate of Rs. 82,965. The expenditure during the year amounted to Rs. 32,725.

261. **Dha'rwa'r District.**—The Municipality of Hubli have discussed the subject of the drainage of their own, and have resolved that since the work will require a large outlay, they are not in a position to undergo the expense in the present straitened condition of their finances.

262. **Bija'pur District.**—The drainage of the Arkilla Moat at *Bijápur* was completed during the year at a total cost of Rs. 4,135, against the revised estimate of Rs. 4,422, the outlay during the year being Rs. 1,781.

10.—MISCELLANEOUS.

263. **Bombay.**—The work of providing fire-service for the Cotton Green at Colába, Bombay, described in the previous reports, was completed at a cost of Rs. 5,021, against the sanctioned estimate of Rs. 4,829. The expenditure during the year amounted to Rs. 479.

264. **Surat and Broach District.** (*Local*).—Stone pitching to the right bank of the Narbada, opposite Kaladra in the Wágra Táluka, was commenced and completed during the year at a total cost of Rs. 2,914, against the sanctioned estimate of Rs. 2,913. The object of the pitching is to protect the village against the scouring action of the river which had of late grown very serious.

265. **Kaira District.**—The work of constructing an earthen bund round the village of Biḍaj in Mehmadabad Táluka was sanctioned during the year, but the grant was curtailed on account of the plague. The object of the bund is to protect the village from the floods of the Khari river which have been causing much damage. The expenditure during the year was Rs. 1,062, against the sanctioned estimate of Rs. 2,997.

266. **Bija'pur District.**—The supplementary programme for clearance of prickly-pear by convicts, described in previous reports, having been transferred in December 1893 to the Jail Department, the work was carried out by that Department, but the charges incurred on account of supervision of work, &c., have been debited to this Department. Rupees 1,059 were expended during the year on account of establishment and other charges. The total outlay to end of the year was Rs. 2,25,969, against the estimate of Rs. 2,57,873.

267. **Kola'ba District.**—The masonry bunder at *Karanja* having been left in an unfinished state for some thirty years, it was proposed to complete it in order to afford better facilities for the landing of passengers and goods. The line of the new work to be in a straight line with the old and to be six feet in width at top. Work was commenced during the year, and an outlay of Rs. 2,562 was incurred, against the estimate of Rs. 6,685.

APPENDICES (A to F)

TO THE

ADMINISTRATION REPORT OF CIVIL WORKS

FOR THE YEAR

1898-99.

APPENDIX A.

Statement showing the actual expenditure incurred on the preservation of buildings of Historical and Architectural interest from 1894-95 to 1898-99.

	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	
	Rs.	Rs.	Rs.	Rs	Rs.	
Original Works.						
Azamabhai's Palace, Ahmedabad	...	2,254	2,287	...	...	Formerly used as District Jail: a portion of this is converted into a Post Office.
Restoring Gondeshwar's Temple at Sinnar ...	245	293	...	...	219	
Verandah to the servants' quarters in the compound of the Main Shahi Bag bungalow, Ahmedabad	...	218	...	...	...	Used as private residence by the Commissioner, N. D.
Increased accommodation in the Main Shahi Bag, Ahmedabad	...	761	...	...	...	
Total, Original Works ...	245	3,526	2,287	...	219	
Repairs.						
Repairs to Syed Oosman's Rozah, Ahmedabad.	...	758	...	...	...	
Repairs to the Rozah of Shahálum, near Ahmedabad	...	(*a*) 985	...	(*b*)1,484	...	(*a*) Contribution work, exclusive of Establishment ... Rs. 118 Tools and Plant... „ 15
Repairing Malek Allam's Mosque near Sháhálam, in the Dáni Limda village boundary, Ahmedabad District ...	...	...	1,085	...	...	
Repairs to Fateh Mosque, Ahmedabad ...	...	1,095	439	...	...	(*b*) Contribution work, exclusive of Establishment ... Rs. 178 Tools and Plant... „ 22
Repairs to Báwa Lolli's Mosque, Ahmedabad .	514	...	...	...	...	
Do. to Mohafiz Khán's Mosque, Ahmedabad	108	324	...	180	...	
Azam Khán's Palace, Ahmedabad ...	313	281	87	82	80	Formerly used as a District Jail.
Shahi Bag do.	628	601	590	595	596	Used as private residence by the Commissioner, N.D.
Sidhi Syed's Mosque, do.	90	60	60	60	60	Used as record-room of Mámlatdár of Daskrohi.
Ibrahim Syed's Tomb and Mahomed Amikhán's Mosque and Rozah, Ahmedabad.	421	367	310	372	363	Used as residence and Office of the Executive Engineer, Ahmedabad.
Repairs to Sultan Ahmed's Masjid in Bhadar, Ahmedabad	...	...	517	...	329	
Do. to Sidhi Basir's Mosque, near the Ahmedabad Railway Station ...	...	...	858	...	...	
Do. to Ráni's Mosque at Kochrub, near Ahmedabad	162	150	...	...	...	
Do. to the Rozah at Batwa	408	197	273	...	...	
Do. to Ráni Sipri's Mosque, Ahmedabad...	33	123	185	257	128	
Do. to Abu Torrob's Rozah in Byrampur village boundary, Survey No. 99, near Ahmedabad	84	...	183	...	...	
Carried over ...	2,761	4,941	4,587	3,030	1,556	
	245	3,526	2,287	...	219	

APPENDIX A—*continued.*

	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	245	3,526	2,287	...	219
	2,761	4,941	4,587	3,930	1,556
Repairs to Bibiji's Mosque at Rájpur-Hirpur, Ahmedabad	472	447	...	...	...
Do. to Mallek Shahaban's Tomb in Rokhial, near Ahmedabad	419	...	...	...	...
Clearing Dada Hari's well at Ahmedabad ...	9	...	...	...	...
Repairs to Mosque and Tomb of Achut Bibis at Kajipur, Register No. 19, near Ahmedabad	673	148	92	...	...
Do. to Mosque and Tomb of Syed Oosman at Oosmanpur, Register No. 16, near Ahmedabad	753	8	...	...	...
Clearing archæological works in and out of the City of Ahmedabad	...	211	223	236	240
Repairs to Ráni's Mosque, Sárangpur, Ahmedabad	...	623	...	...	...
Do. to Syed Ibrahim's Mosque, outside the Astodia Gate, Ahmedabad ...	...	342	...	...	...
Do. to Juma Masjid in the City of Ahmedabad	...	...	(c) 2,324	(d) 1,572	(e) 2,872
Do. to Ektoda Mosque, Sárangpur ...	...	...	...	...	87
Do. to Mosque and Tomb of Rani Roopawati, otherwise called the Queen's Mosque, Mirjapur	...	...	...	...	241
Do. to Khan Mosque at Dholka ...	...	125	...	...	...
Tomb of General Wedderburn, Broach ...	6	6	6	6	6
Do. of Captain Simpee do. ...					
English, Dutch and Armenian Cemeteries at Surat	379	373	389	371	373
Tomb of Captain Tudors at Kaliawadi in Jaláipur Táluka, Surat District ...	10	10	9	7	10
Do. of Captain Caryat, near the village of Rajgiri, on the seashore of the Olpád Táluka	...	...	229	10	10
Rozah at Mehmadabad ... (Kaira and Panch Mahals Districts.)	45	51	50	50	43
Juma Masjid, Champáner ...	56	—217	60	254	265
Nawaj do. do. ...	25	20	20	21	21
Wandra do. do. ...	15	10	10	76	74
Rozah in front of do. ...	10	10	10	42	...
Do. near Patar Tank	36	17	20	7	16
Gateway to Fort Champáner ...	...	20	20	21	21
Nagina Masjid do. ...	15	10	11	63	84
Rozah in front of do. ...	10	10	10	10	...
Lila Masjid do. ...	...	...	10	10	11
Shikandharsha's Rozah, Hálol.	20	20	20	21	16
Three arched Gates ...	...	...	...	...	11
Road near Patar Tank ...	...	...	...	4	...
Current repairs to Pier and Caves at Elephanta	1,541	1,545	1,531	1,542	1,470
Do. to buildings at Elephanta ...					
Special repairs to the Elephanta buildings and Pier	...	790	10	390	...
Repairs to the temple at Ambarnáth, Thána District	...	...	46	24	33
Do. to monument at Koregaon, Poona District	50	70	59	59	60
Do. to the Laxmi Narayan Temple at Pedgaon in Shrigonda Táluka in Ahmednagar District ...	...	...	...	...	249
Do. to the Devi Temple at Mandeogari in Shrigonda Táluka	...	...	...	...	47
Do. to Damadi Masjid at Ahmednagar ...	...	...	...	...	18
Do. to the Temple of Malikarjuna at Karjat in Ahmednagar District ...	...	...	...	...	81
Total ...	7,305	9,590	9,746	7,826	*7,915
Carried over ...	245	3,526	2,287	...	219

(c) Contribution work, exclusive of Establishment ... Rs. 279
Tools and Plant . 35

(d) Contribution work, exclusive of Establishment ... Rs. 189
Tools and Plant . 24

(e) Contribution work, exclusive of Establishment ... Rs. 345
Tools and Plant . 43.

APPENDIX A—*concluded.*

	1894-95.	1895-96.	1896-97.	1897-98.	1898-99.	
	Rs.	Rs.	Rs.	Rs.	Rs.	
Brought forward ...	245	3,596	2,287	...	219	
	7,305	9,590	9,746	7,826	7,915	
Current repairs to the old Mahomedan buildings at Bijápur	1,594	1,574	1,299	677	1,493	
Repairs to Gol Gumbaz at do. ...	3,067	—886	—318	...	...	
Repairs to the Ibrahim Rozah at Bijápur ...	1,855	2,247	486	...	...	
Special repairs to the cornice of the Mosque attached to the Gol Gumbaz, Bijápur ...	...	201	...	...	...	
Special repairs to the Asar Mahál, Bijápur ...	...	...	242	...	...	
Preserving the caves at Bádámi, Bijápur District	24	24	22	22	24	
Repairs to the Jain Temple, Fort, Belgaum ...	...	...	...	...	108	
Afzulkhan's Tomb at Pratápgad	...	...	18	...	...	
Pratápgad Gate	5	*98	...	...	...	* Includes repairs to the tomb of Afzulkhan.
Jetappa Naikanna Chandranatheshwar Basti at Bhatkal	69	...	...	...	...	
Repairs to Miani Monument, near Hyderabad .	23	49	43	49	55	
Do. to Daba Monument, Hyderabad ...	18	18	19	18	15	
Making special repairs to Tomb of Gulamshaha Kuthero at Hyderabad	...	...	...	...	2,848	
Repairs to Masjid at Khudadad	...	...	391	...	...	
Fixing colored tiles to the Tomb of Mian Yar Mahomed Kalhora at Khudadad ...	...	...	80	...	...	
Repairs to Salzanjo Than Rohri ...	...	...	...	...	926	
Total, Repairs ...	13,965	12,915	12,028	8,592	13,384	
Grand Total ...	14,210	16,441	14,315	8,592	13,603	

APPENDIX B.

Statement showing the outlay incurred on Police Buildings during the year 1898-99.

District.	Locality.	Name of Work.	No. of men to be accommodated.	Estimated Cost.	Expended during the year.	Remarks.
1	2	3	4	5	6	7
				Rs.	Rs.	
Thána	Talsari ...	Police Line	3	885	125	Completed.
Do. ...	Thána ...	Additions and alterations to the latrines for the Police Lines.	.....	419	418	Do.
Do ...	Karambeli ...	Police Line	2	680	660	Do.
Do. ...	Fanse ...	Do. ...	2	674	700	Do.
Do. ...	Karjat ...	Additions and alterations to the Police Line.	.....	969	949	Do.
Surat and Broach.	Olpád ...	Police Lines	28	11,657	2,163	Do.
Do. ...	Surat ...	Do. (2 blocks)	80	14,072	5,611	In progress.
Do. ...	Do. ...	Providing teak-wood shelves in the City Police Inspector's office in the Custom House.	.....	67	66	Completed.
Do. ...	Anita ...	Providing weather-boards to the windows of the Police Lines.	3	13	13	Do.
Do. ...	Bodhan ...	Making certain additions to the Police Lines.	6	76	72	Do.
Kaira and ...	Kankasia ...	Police Lines	7	3,145	2,217	In progress.
Panch Mahals...	Godhra ...	Additions and alterations to the Police Superintendent's bungalow.	.....	531	423	Completed.
Do. ...	Wadia ...	Police Lines	12	3,713	1,459	In progress.
Do. ...	Godhra ...	Latrine for the Head-Quarter Police ...	.....	1,191	1,095	Completed.
Do. ...	Do. ...	Rewa Kántha Agency Foot Police Lines and stables for the Mounted Police	10 men and 5 horses.	3,764	3,357	Do.
Do. ...	Wadia ...	Constructing a guard-room near the Treasury and cells at Wadia in Sankheda Mewás.	.....	524	516	Do.
Do. ...	Vejalpur ...	Survey for site for Police Lines... ...	.....	5	1	Do.
Do. ...	Khandivan ...	Do. do. ...	.....	15	10	Do.
Do. ...	Orwada ...	Providing windows in the Police Station.	.....	27	26	Do.
Do. ...	Kaira ...	Providing shelves to the Police Superintendent's office.	.....	103	101	Do.
Ahmedabad ...	Pálanpur ...	Mounted Police Lines	45	20,162	2,116	Do.
Mahi Kántha Agency.	Tájpuri ...	Police Lines	4	1,366	231	Do.
Ahmedabad ...	Ahmedabad ...	Latrines for Foot Police	.....	2,331	2	Do.
Do. ...	Prántij ...	Additions and alterations to the Chief Constable's office.	.....	269	176	Do.
Sholápur ...	Sholápur ...	Head-Quarter Police Lines	143	43,991	7,371	In progress.
Do. ...	Do. ..	A new store-room for Head-Quarter Police Lines.	.....	2,779	1,237	Do.
Ahmednagar ...	Ahmednagar ...	Fixing roof ventilators, single tiled, over the roofs of the Police Lines in the City of Ahmednagar.	.....	997	714	Completed.
Do. ...	Do. ...	Fixing roof ventilators to the Police Lines at Ahmednagar.	.....	2,619	1,946	Do.
Khándesh ...	Mehunbára ...	Police Lines.	4	1,622	816	Do.
Do. ...	Yáwal ...	Do. do. ...	10	3,405	1,494	Do.
Násik	Násik ...	Constructing a magazine for the Head Quarter Police Lines.	.....	790	783	Do.
Do.	Do. ...	Improvements to the latrines in the City Police Lines.	.....	93	91	Do.
Do.	Do. ...	Improvements to the drain near Head-Quarter Police Lines.	.....	1,706	1,695	Do.
Do.	Peint ...	Police Lines	18	14,890	5,006	In progress.
Poona	Poona ...	Lines for the City Police	272	78,174	1,138	
Do.	Do. ...	Additions and alterations to the official residence of the District Superintendent of Police.	.....	6,035	751	
Do.	Do. ...	Re-constructing the Police Chowki near Lakdipul.	.....	973	626	
		Providing Jamps to the verandah of store-room, Shanwár Wáda.	.....	80	77	
Do.	Do. ...	Fixing weather-boards to the windows of Faráskhána.	.....	50	49	
Do.	Sirur ...	Additions and alterations to Police Lines.	.....	22	21	
Do.	Do. ...	Additional Police Lines	3 Head Constables and 10 Constables.	5,294	3,300	
Belgaum ...	Belgaum ...	Compound wall to the Chief Constable's quarters attached to the Police Pendal.	.....	164	164	Completed.
Do. ...	Khánápur ...	Gutters to the Police Lines	.....	179	179	Do.
Dhárwár ...	Ránebennur ...	Police Lines	24	8,176	3,372	Do.
Do. ...	Dhárwár ...	Erecting a partition wall across the centre of the office of the Superintendent of Police, to provide for a room for printed forms.	.....	59	59	Do.
Kánara ...	Yellápur ...	Additions and alterations to Police Lines.	.....	310	303	Do.
		Carried over ...	686	2,39,066	53,704	

APPENDIX B.—*continued.*

District.	Locality.	Name of Work.	No. of men to be accommodated.	Estimated Cost.	Expended during the year.	Remarks.
1	2	3	4	5	6	7
				Rs.	Rs.	
		Brought forward ...	686	2,39,066	53,704	
Ratnágiri and Kolába.	Dápoli ...	New Chief Constable's office	.....	2,208	1,952	Completed.
	Ratnágiri ...	Providing steps to the east-side block of the Town Police Lnies.	.....	27	27	Do.
Sátára... ...	Shirála ...	Police Lines	23	8,082	4,365	Do.
Do.	Medha ...	Additional Police Lines...	19	6,118	1,497	In progress.
Bijápur ...	Agurkhed ...	Re-building walls of the additional rooms of the Police Lieus.	.....	327	324	Completed.
Begári Canals...	Jacobabad ...	Constructing a third row of shelves in the Record room of Police Thána.	.....	37	34	Do.
Do. ...	Do. ...	2 rows of shelves in the Head Quarter office room Thana.	.....	74	71	Do.
Do. ...	Do. ...	2 rows of two shelves in the store-room.	.....	52	48	Do.
Shikárpur Canals.	Shikárpur ...	Additions and alterations in Armed Police Lines.	.....	160	136	Do.
	Chandia (Ubauro Taluka).	A new Police Thána	.....	476	474	Do.
Ghár Canals ...	Rato-dero ...	Providing doors in the Rural Police Lines.	.....	35	34	Do.
	Nasirabad ...	New quarters for 4 Policemen at the outpost.	4	1,095	1,038	Do.
	Johi ...	Renewing roof of Police Lines	.....	1,068	1,531	Do.
Western Nára .	Chana (Taluka Sehwán).	Constructing a new Police Post... ...	.....	445	424	Do.
Karáchi Canals.	Ghorábári ...	Building three sides of stables to Police Lines.	.....	38	38	Do.
	Mirpur Batoro.	Do. do. ...	.....	31	28	Do.
	Ladian ...	Do. do. ..	.....	25	20	Do.
	Tatta ...	Demolishing and re-building rear wall to the office room of Chief Constable.	.....	25	24	Do.
Northern Hyderabad.	Sákrand ...	Verandah in front of Police office ...	.....	128	122	Do.
Canals District	Kandiáro ...	Enclosure wall to latrine for prisoners...	.....	121	114	Do.
	Shahpur ...	Adding two stalls to the stable of new Police Lines and providing shelter from sun.	.....	112	181	Do.
Central Hyderabad Canals District.	Tando Jam ...	Police Post	7	2,502	2,000	In progress.
Do. ...	Gidu Bandar...	Police Lines	9	3,873	2,000	Do.
Do. ...	Matari ...	New Record stands	.....	128	121	Completed.
Fuleli Canal ...	Hatri ...	Police Lines	5	2,717	1,492	Do.
Do. ...	Tando Gulam Hyder.	Providing additional stalls to Police Lines.	.....	160	152	Do.
		Total ...	753 and horses 5	2,69,210	71,951	

APPENDIX C.

STATEMENT SHOWING THE EXPENDITURE INCURRED ON WORKS ESTABLISHMENTS IN THE UNDERMENTIONED DISTRICTS DURING THE YEAR 1898-99, AND THE PERCENTAGE IT BEARS TO THE OUTLAY ON WORKS AND REPAIRS PROPER.

No.	Divisions and Districts.	Outlay on: By Contract. Original Works, including additions and alterations and improvements and extensions	By Contract. Repairs.	By Contract. Total.	By Departmental Agency. Original Works, including additions and alterations and improvements and extensions.	By Departmental Agency. Repairs.	By Departmental Agency. Total.	Total Contract and Departmental, Columns 5 and 8.	Cost of Work Establishment sanctioned by: Chief or Superintending Engineer.	Executive Engineer.	Total.	Percentage (Column 12 bears) to Column 9).
1	2	3	4	5	6	7	8	9	10	11	12	13
	Northern Division.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
1	Presidency	2,19,282	50,385	2,69,667	...	78,918	78,918	3,48,585	8,751	7,636	16,387	4·93
					Deduct—Establishment Charges ...			—16,387				
								3,32,198				
2	Thána	3,544	...	3,544	1,43,381	1,11,996	2,55,377	2,58,921	3,056	9,734	12,790	4·94
3	Surat and Broach ...	14,314	...	14,314	1,68,378	99,763	2,68,141	2,82,455	3,381	8,888	12,269	4·34
4	Kaira and Panch Maháls	...	...	...	43,720	79,900	1,23,620	1,23,620	2,592	5,607	8,199	6·63
5	Ahmedabad	...	...	...	1,27,246	1,26,695	2,53,941	2,53,941	2,499	9,268	11,767	4·63
	Total, N. D. ...	2,37,140	50,385	2,87,525	4,82,725	4,97,272	9,79,997	12,67,522	20,279	41,133	61,412	5·9
					Deduct—Establishment Charges ...			—16,387				
								12,51,135				
	Central Division.											
6	Násik...	53,040	2,965	56,005	34,941	95,515	1,30,456	1,86,461	4,715	9,995	14,710	7·8
7	Ahmednagar... ...	39,330	22,397	61,727	5,598	70,628	76,226	1,37,953	...	11,603	11,603	8·41
8	Sholápur	1,818	...	1,818	25,653	49,021	74,674	76,492	...	5,264	5,264	6·9
9	Poona District ...	24,936	12,158	37,094	42,950	1,81,510	2,24,460	2,61,554	5,843	12,677	18,520	7·08
10	Khándesh	47,308	3,044	50,352	23,572	1,05,125	1,28,697	1,79,049	4,868	12,269	17,137	9·6
	Total, C. D. ...	1,66,432	40,564	2,06,996	1,32,714	5,01,799	6,34,513	8,41,509	15,426	51,708	67,234	7·9
	Southern Division.											
11	Belgaum	1,250	15,750	17,000	66,261	1,16,665	1,82,926	1,99,926	3,497	8,739	12,236	6·12
12	Dhárwár	...	...	...	31,140	1,26,601	1,57,741	1,57,741	4,308	12,077	16,385	10·39
13	Kánara	12,821	14,804	27,625	3,544	1,05,277	1,08,821	1,36,446	4,150	6,196	10,346	7·58
14	Bijápur	...	...	...	56,895	41,606	98,501	98,501	2,559	8,516	11,075	11·24
15	Ratnágiri and Kolába.	...	...	...	43,240	1,19,906	1,63,146	1,63,146	3,910	11,661	15,571	9·54
16	Sátára	3,701	6,275	9,976	43,425	1,53,386	1,96,811	2,06,787	4,012	13,537	17,549	8·48
	Total, S. D. ...	17,772	36,829	54,601	2,44,505	6,63,441	9,07,946	9,62,547	22,436	60,726	83,162	8·64
	Indus Left Bank Division.											
17	Eastern Nára ...	...	...	...	...	...	...	...	...	...	...	...
18	Fuleli Canals ...	...	...	...	...	...	...	...	...	...	...	...
19	Northern Hyderabad Canals	...	...	...	...	...	...	...	...	...	...	...
20	Central Hyderabad Canals	24,994	...	24,994	3,171	17,572	20,743	45,737	1,670	...	1,670	3·6
	Total, Indus Left Bank Division ...	24,994	...	24,994	3,171	17,572	20,743	45,737	1,670	...	1,670	3·6
	Indus Right Bank Division.											
21	Karáchi Canals ...	34,826	13,823	48,649	...	...	...	48,649	...	1,547	1,547	3·18
22	Ghár Canals	...	...	...	...	...	...	...	...	...	...	...
23	Begari Canals ...	...	...	...	...	..	...	...	...	...	...	...
24	Shikárpur Canals ...	30,825	12,737	43,562	...	...	...	43,562	...	4	4	0·23
25	Western Nára ...	...	...	...	...	...	...	...	...	...	..	...
	Total, Indus Right Bank Division ...	65,651	26,560	92,211	...	...	...	92,211	...	1,551	1,551	1·6
	Grand Total ...	4,91,989	1,54,338	6,66,327	8,63,115	16,79,084	25,43,199	32,09,526	59,811	1,55,118	2,15,029	6·7
					Deduct—Establishment Charges ...			—16,387				
								31,93,139				

APPENDIX D.

STATEMENT

OF

IMPERIAL, PROVINCIAL AND LOCAL FUND ROADS

FOR THE YEAR

1898-99.

Statement showing the mileage of all the Roads constructed and in progress maintained from IMPERIAL AND PROVINCIAL FUNDS in the Bombay Presidency for the year 1898-99.

Imperial Military. 2.—Unmetalled Roads. B.—Partially Bridged and Drained.

Executive Districts.	Classification and names of Roads.	Length in Miles.						Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Completed.		In progress.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Rs.	Rs.	
	CENTRAL DIVISION.									
	Road from Saswad to foot of Purandhar Fort ...	5	4,435	.....		5	4,435	Not known...	749	
	General Cantonment Works.									
Poona	Cantonment roads at Sirur	7	0	.....		7	0	Not known...	548	
	Do. at Khandála	4	2,640	.....		4	2,640	Do. ...	275	
	Do. at Purandhar	12	297	.....		12	297	Do. ..	1,000	
	Total, Poona District ..	29	2,092	.....		29	2,092	.....	...	
	Total, Central Division ...	29	2,092	.....		29	2,092	.....	...	
	GRAND TOTAL, IMPERIAL MILITARY ROADS 2.—UNMETALLED	29	2,092	.....		29	2,092	.....	...	
	IMPERIAL CIVIL.									
	1.—METALLED ROADS.									
	A.—BRIDGED AND DRAINED THROUGHOUT.									
	NORTHERN DIVISION.									
Thána.	Road from Umela to Pápdi	1	3,425	.....		1	3,425	8,720	514	
	Total, Thána District , ...	1	3,425	.....		1	3,425	.....	...	

Ahmedabad ...	Cantonment Main Roads, Ahmedabad ...	1	420	.....	1	420	7,069	647	
	Do. do. Rájkot	1	125	.....	1	125	1,000	354	
	Total, Ahmedabad District ...	2	545	.....	2	545	.....	...	
Surat and Broach .	Road from Dungri Railway Station to Dhárásna Salt Pans...	3	0	.....	3	0	5,101	943	
	Total, Surat and Broach Districts ...	3	0	.....	3	0	.....	...	
	TOTAL 1-A, NORTHERN DIVISION ...	6	3,970	.....	6	3,970	.....	...	
	GRAND TOTAL, IMPERIAL CIVIL ROADS ...	6	3,970	.....	6	3,970	.....	...	
	PROVINCIAL.								
	1.—METALLED ROADS.								
	A.—BRIDGED AND DRAINED THROUGHOUT.								
	NORTHERN DIVISION.								
Presidency ...	Máhim Causeway	0	3,558	.....	0	3,558	*3,02,498	1,829	Original costs taken from tablets on the roads.
	Sion Causeway	1	471	.....	1	471	*82,955	2,354	
	Total, Presidency District ...	1	4,029	.....	1	4,029	.....	...	
	Carried over ...	1	4,029	.....	1	4,029	.....	...	

PROVINCIAL ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought forward ...	1 4,029	.....	1 4,029	.....	...	
	I.—METALLED ROADS—*continued.*						
	A.—BRIDGED AND DRAINED THROUGHOUT—*continued*						
	Northern Division—*concluded.*						
Ahmedabad ...	Road from Bibipura to Modása *vid* Dhansura ...	18 0	.....	18 0	6,103	2,946	
	Extra Municipal roads, Ahmedabad	4 2,090	.....	4 2,090	Unknown ...	4,960	
	Road from foot of overbridge approach near the Kálupur gate to junction with road to Camp, Ahmedabad	1 3,000	.....	1 3,000	5,700	1,408	Constructed from Imperial Funds and repaired from Provincial Funds.
	Road from Dhansura to Harsol	13 0	.....	13 0	8,139	2,155	
	Road from Harsol to Talod	5 2,397	.....	5 2,397	6,877	...	Completed with the exception of small items; the cost per mile has been calculated on the estimated cost.
	Total, Ahmedabad District ...	42 2,207	.....	42 2,207	.....	...	
Kaira	Road from Kapadvanj to Bibipara, including Ladwell Branch	32 1,760	.....	32 1,760	7,197	4,305	Includes 10 miles of cleared line.
	Total, Kaira District ...	32 1,760	.....	32 1,760	.....	...	
Surat and Broach.	Road from Bilimora to Chikhli (in Gáikwár's Territory)	3 2,640	.....	3 2,640	5,953	1,428	Constructed from Provincial and Local Funds in the proportion of 1 to 2. Maintained from Provincial Funds.
	Total, Surat and Broach Districts ...	3 2,640	.....	3 2,640	.....	...	

Thána	Road from Ulva to Cámpuli (portion in Thána Collectorate).	13	2,640	.....	13	2,640	Unknown ...	3,108	
	Road from Dharamtar to Cámpuli (portion in the Thána Collectorate).	3	2,640	.....	3	2,640	Do. ...	1,282	
	Road from Thána to Panvel (portion in Thána Collectorate).	10	2,640	.....	10	2,640	Do. ...	1,851	
	Esplanade Roads at Thána	1	4,637	.....	1	4,637	Do. ...	331	
	Total, Thána District ...	29	1,997	.....	29	1,997	.....	...	
	TOTAL, NORTHERN DIVISION ...	109	2,073	.....	109	2,073	.....	...	
	SOUTHERN DIVISION.								
Belgaum ...	Road from Belgaum to Bágalkot— Section from Belgaum to Karkop ...	43	0	.....	43	0	Unknown ...	11,413	
	Road from Belgaum to Vengurla— Section from Belgaum to Amboli at the head of the Parpoli Ghát.	43	0	.....	43	0	17,910	15,686	
	Road from Poona to Bangalore— Section from Wárna to Dudganga river ...	28	0	.....	28	0	Unknown ...	6,217	
	Road from Dudganga to the Dhárwár Frontier.	90	0	.....	90	0	Do. ...	17,698	
	Krishna Bridge Road— Section from Bridge to Sángli	1	1 320	.....	1	1,320	Do. ...	991	
	Do. do. to Miraj	2	1,320	.....	2	1,320			
	Link Roads in the Belgaum Cantonment ...	1	4,073	.....	1	4,073	Do. ...	688*	*Average of four years only.
	Total, Belgaum District ...	209	1,433	.....	209	1,433	.....	...	
Bijápur	Road from Belgaum to Bágalkot— Section from Khajidoni to Bágalkot ...	19	0	.....	19	0	2,422	3,525	
	Total, Bijápur District ...	19	0	.....	19	0	.....	...	
	Carried over ...	337	3,506	.....	337	3,506	.....	...	

PROVINCIAL ROADS—*continued.*

Districts.	Classification and Names of Roads.	Length in Miles. Completed.		In progress.		Total.		Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Rs.	Rs.	
	Brought forward ...	337	3,506	.....		337	3,506	.....	...	
	1.—METALLED ROADS—*continued.*									
	A.—BRIDGED AND DRAINED—*continued.*									
	SOUTHERN DIVISION—*continued.*									
Dhárwár ...	Poona-Bangalore Road— Section from Dhárwár District boundary in mile No. 246 to Harihar on Mysore Frontier.	106	3,900	.....		106	3,900	5,758	24,817	
	Kárwár-Bellary Road— Section from Sangtikop to Hubli ...	27	3,300	.....		27	3,300	12,336	6,786	The cost includes travellers' bungalows dharamshálas and bridges.
	Do. Gadag to Hesrur on the Bellary Frontier, miles 136 to 153.	18	0	.....		18	0	7,604	2,856	The length of the road is 29 miles from Gadag to Hesrur, of which 18 miles are metalled. The road has been accordingly split up.
	Hubli-Kumta road from Trimalkop on the Poona-Bangalore road to Wadgatti on the Dhárwár Frontier.	9	1,980	.....		9	1,980	Unknown ...	2,624	
	Karur Railway Station Road	0	2,990	.....		0	2,990	3,507	139	
	Baralkod do.	0	900	.....		0	900	2,992	78	
	Dhárwár do.	0	4,900	.....		0	4,900	2,391	466	
	Mugúd do.	0	600	.....		0	600	2,446	69	
	Nagargoli do.	0	2,877	.....		0	2,877	1,161	167	
	Dandur do.	1	660	.....		1	660	4,360	283	
	Hulkoti do.	0	3,300	.....		0	3,300	3,659	69	
	Total, Dhárwár District ...	165	4,287	.....		165	4,287	.....	...	

Kánara ...	Kárwár-Bellary Road—								
	Section from Kárwár *vid* Arbail Ghát to the Dhárwár boundary at Sangtikop.	74	3,960	.....	74	3,960	19,004	14,105	
	Section from junction of Udloor Deviation near Balegully to Ankola.	3	3,960	.....	3	3,960	Unknown ...	561	
	Do. from Kárwár to Kodibág	2	2,640	.....	2	2,640	Do. ...	528	
	Do. from Haliyál to Belgaum Frontier up to Linganmath.	9	0	.....	9	0	11,891	2,584	
	Do. From Koney to the junction of Kodibág road *vid* jail at Kárwár.	1	2,490	.....	1	2,490	4,625	218	
	Do. From Haliyál to Mavinkop ...	4	2,640	.....	4	2,640	1,736	893	
	Total, Kánara District ...	95	5,130	.....	95	5,130	.....	...	
Ratnágiri and Kolába.	Road from Karád to Chiplun—								
	Section from Kumbhárli Ghát to Chiplún ...	14	1,664	.....	14	1,664	19,231	4,660	
	Road from Ratnágiri to Amba Ghát—								
	Do. over Amba Ghát...	9	1,760	.....	9	1,760	45,448	2,793	
	Road from Mhapral to Shirwal—								
	Section from Mhapral on the Bánkot river to Bhor State boundary.	30	0	.....	30	0	Unknown ...	*4,818	
	Road from Alibág to Campoli *vid* Dharamtar—								
	Section from Dharamtar to Campoli ...	20	660	.....	20	660	6,665	5,516	
	Road from Bombay to Poona—								
	Section from Ulwa to Chauk	16	0	.....	16	0	4,080	4,091	
	Roads near Panvel—								
	Section from Panvel to Thána	9	1,320	.....	9	1,320	7,573	2,660	
	Do. from Panvel to Jessái	6	3,300	.....	6	3,300	Unknown ...	926	
	Belgaum-Vengurla Road—								
	Section from Amboli to Vengurla ...	35	0	.....	35	0	17,909	11,855	
	Total, Ratnágiri and Kolába Districts ...	140	3,424	.....	140	3,424	.....	...	
	Carried over ...	740	507	.....	740	507	.....	...	

*The average cost of maintenance is only for 25¼ miles—the portion already in charge of this office.

PROVINCIAL ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed. Ms.	ft.	In progress. Ms.	ft.	Total. Ms.	ft.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
								Rs.	Rs.	
	Brought forward ...	740	507	.....		740	507	.....	...	
	1.—METALLED ROADS—*continued.*									
	A.—BRIDGED AND DRAINED THROUGHOUT—*continued.*									
	SOUTHERN DIVISION—*continued.*									
Sátára	Poona-Bangalore Road— Section from the Nira to the Várna River ...	100	0	.....		100	0	26,304	21,609	
	Road from Surul Mahábaleshvar... ...	26	2,640	.....		26	2,640	14,364	6,789	
	Road from Mahád to Mahábaleshvar— Section from Kineshwar *vid* Fitzgerald Ghát to Mahábaleshwar.	20	1,320	.....		20	1,320	22,780	7,022	
	Road from Sátára to Shendra	4	0	.....		4	0	3,101	1,026	
	Road from Karád to Chiplun— Section from Karád to the foot of the Kumbhárli, Ghat.	46	0	.....		46	0	23,247	14,684	
	Total, Sátára District ...	196	3,960	.....		196	3,960	.....	...	
	TOTAL, SOUTHERN DIVISION ...	827	2,394	.....		827	2,394	.....	...	

		Central Division.								
Poona ...	...	Road from Dápuri to the foot of the Bhor Ghát (Poona-Bombay Road).	42	0	.....	42	0	Unknown ...	12,932	
		Approach road to Deccan Central Jail, Yerrowda.	1	1,320	.....	1	1,320	4,173	318	
		Road from Poona to Shirval (New Sátára Road).	26	2,112	.....	26	2,112	24,983	11,989	
		Civil roads within the limits of Suburban Municipality.	12	4,497	.....	12	4,497	Unknown ...	10,510	
		Do. City Municipality	1	1,080	.....	1	1,080	Do. ...	1,806	
		Do. not within the Cantonment or Municipal areas.	10	113	.....	10	113	Do. ...	10,034	
		Total, Poona District ...	93	3,842	.....	93	3,842	.....	...	
Násik	...	Nandgaon-Aurangabad Road	12	0	.....	12	0	Unknown ...	2,782	Bridged except at 2 places.
		Málegaon-Manmád Road	21	0	.....	21	0	.....	14,937	Passing *vid* Chondai Bari up to Girna river.
		Manmád-Kopargaon Road	21	0	.....	21	0	.....	...	Passing *vid* Ankaibari and Yeola Town.
		Bombay-Agra Road	111	2,640	.....	111	2,640	*19,358	1,247	*Passing *vid* Thalghát, Igatpuri, Násik, Pimpalgaon Baswant, Chándor, &c. Average for 84½ miles only is given, as the remaining 27 miles were transferred to this district only in 1896.
		Total, Násik District ...	165	2,640	.....	165	2,640	.....	...	
Khándesh	...	Bombay and Agra Road	86	0	.....	86	0	Unknown ...	24,377	
		Dhulia and Chálisgaon Road	34	0	.....	34	0	14,922	9,972	
		Kondaibári Ghát Road on Dhulia-Surat Road ...	4	0	.....	4	0	Unknown ...	†...	† Included in Dhulia-Surat Road under II (B).
		Total, Khándesh District ...	124	0	.....	124	0	.....	...	
Ahmednagar	...	Road from Ahmednagar to Sirúr	31	0	.....	31	0	6,739	5,833	
		Total, Ahmednagar District ...	31	0	.....	31	0	.....	...	
Sholápur	...	Cantonment Roads	4	50	.....	4	50	Not known...	893	
		Total, Sholápur District ...	4	50	.....	4	50	.....	...	
		Total, Central Division ...	418	1,252	.....	418	1,252	.....	...	
		Carried over ...	418	1,252	.....	418	1,252	.....	...	

PROVINCIAL ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles.						Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Completed.		In progress.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Rs.	Rs.	
	Brought forward ...	418	1,252	.....		418	1,252	.....	...	
	1.—METALLED ROADS—*continued.*									
	A.—BRIDGED AND DRAINED THROUGHOUT—*continued.*									
	Aden.									
Aden ...	Shaikh Othman Road from Barrier gate at Isthmus to Cantonment boundary Branch to Khormuxcar.	4	1,683	.....		4	1,683	4,500	‡3,294	‡ This amount is for the whole road not per mile.
	Total, Aden District ...	4	1,683	.....		4	1,683	.....	...	
	Indus Right Bank Division.									
Western Nára ...	Bhagotora Road	5	0	.....		5	0	2,128	1,448	
	Total, Western Nára District ...	5	0	.....		5	0	.....	...	
	Total, Indus Right Bank Division ...	5	0	.....		5	0	.....	...	
	TOTAL, 1-A.—BRIDGED AND DRAINED THROUGHOUT	1,371	812	.....		1,371	812	.....	...	
	Total 1-A.—Carried over ...	1,371	812	.....		1,371	812	.....	...	

	Brought forward ...	1,371	812	.....	1,371	812	.....	...	
		1,371	812	.....	1,371	812	.....	...	
	1.—METALLED ROADS.								
	B.—PARTIALLY BRIDGED AND DRAINED.								
	NORTHERN DIVISION.								
Thána ...	Satowli-Khind Road	2	0	.....	2	0	1,785	251	
	Road from Neral to Mátherán	7	2,640	.....	7	2,640	Unknown ...	1,823	
	Road from Kurla to Kasára (Bombay-Agra Road).	68	0	.....	68	0	Do. ...	15,584	
	Road from Dáhánu to Jawhár	27	0	.....	27	0	11,243	5,384	
	Total, Thána District ...	104	2,640	.....	104	2,640	.....	...	
Kaira ...	Godhra-Shera Road	14	0	.....	14	0	6,501	...	
	Total, Kaira District ...	14	0	.....	14	0	.....	...	
	TOTAL, NORTHERN DIVISION ...	118	2,640	.....	118	2,640	.....	...	
	SOUTHERN DIVISION.								
Belgaum ...	Road from Khánápur to Yellápur— Section from Khánápur to Linganmath ...	22	0	.....	22	0	Unknown ...	4,772	The road was divided into 2 sections in 1893-94 and, therefore, the average of 4 years only is given.
	Total, Belgaum District ...	22	0	.....	22	0	.....	...	
Dhárwár ...	Hávanur-Ekambi Road— Section from Háveri to Samasgi on the Dhárwár Frontier (2nd Section).	28	1,320	.....	28	1,320	2,843	4,857	The length of the road in the Dhárwár District is 50 miles and 1,320 feet, of which 33 miles and 1,320 feet are metalled and the remainder unmetalled.
	Section from Háveri to Samasgi on the Dhárwár Frontier (1st Section).	5	0	.....	5	0	2,437	745	
	Total, Dhárwár District ...	33	1,320	.....	33	1,320	.....	...	
	Carried over ...	1,544	4,772	.....	1,544	4,772	.....	...	
	Carried over Total of 1-A. ...	1,371	812	.....	1,371	812	.....	...	

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.		In progress.		Total.		Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Rs.	Rs.	
	Brought forward ...	1,371	812	.....		1,371	812	.....	...	
		1,544	4,772	.....		1,544	4,772	.....	...	
	1.—METALLED ROADS—*concluded.*									
	B.—PARTIALLY BRIDGED AND DRAINED—*concluded.*									
	Southern Division—*continued.*									
Kánara ...	Road from Ekambi to Samasgi	6	2,640	.....		6	2,640	Unknown ...	1,343	
	Road from Pala to Bankápur	2	2,640	.....		2	2,640	921	439	
	Road from Hatgal to the bank of Tadri River...	1	0	.....		1	0	Unknown ...	285	
	Road (metalled) from Dhárwár Frontier near Yergatti to Kumta *vid* Sirsi	78	2,640	.....		78	2,640	Do. ...	22,022	
	Road from the Mysore Frontier near Telgappa to Gairsappa	25	0	.....		25	0	2,569	5,089	
	Road from Yellápur to Bankápur *vid* Mundgod .	29	0	.....		29	0	Unknown ...	4,139	
	Road from Sánikatta to Hebul	18	0	.....		18	0	Do. ...	2,329	
	Road from Haliyál to Supa	20	2,640	.....		20	2,640	Do. ...	5,091	
	Road from Konry Bridge to Sezwad ...	2	3,780	.....		2	3,780	6,384	649	
	Road from Sirsi to Shimoga *viá* Banwási ...	19	1,320	.....		19	1,320	Unknown ...	3,205	
	Road from Yellápur to Haliyál	27	0	.....		27	0	2,017	6,747	
	Total, Kánara District ...	229	5,100	.....		229	5,100	.....	...	
Bijápur ...	Road from Bijápur to Miraj— Section from Bijápur to Honvad	24	2,640	.....		24	2,640	2,867	4,281	
	Total, Bijápur District ...	24	2,640	.....		24	2,640	.....	...	

Sátára	Sátára-Mahábaleshwar road	33	0	.....	33	0	26,457	7,494	
	Road from Mhápral to Pandharpur— Section from Shirwal to Phaltan State ...	18	0	.....	18	0	.....	9,691	
	Total, Sátára District ...	51	0	.....	51	0	.....	...	
	TOTAL, SOUTHERN DIVISION ...	360	3,780	.....	360	3,780	.....	...	
	CENTRAL DIVISION.								
Poona	Road from Fitzgerald Bridge, Poona, to Sirur (Poona-Ahmednagar road)	41	0	.....	41	0	Unknown ...	13,639	
	Road from St. Patrick's Church, Poona, to 40th mile-stone (Poona-Sholápur road, Section I)...	37	2,640	.....	37	2,640	Do. ...	13,169	
	Road from Dápuri to 59 Mile-stone (Poona-Násik road)	.....		.....	.....		.....	...	
	Total, Poona District ...	78	2,640	.....	78	2,640	.....	...	
Sholápur ...	Road from Bársi to Yedsi	20	0	.....	20	0	6,309	4,769	
	Do. from Yedsi to Tadwala	8	0	.....	8	0	8,050	2,586	
	Total, Sholápur District ...	28	0	.....	28	0	.....	...	
Násik	Satighát-Harsul Road	3	0	.....	3	0	Unknown ...	414	
	Do. Road	5	0	.....	5	0	Do. ...	407	
	Násik-Poona Road	33	0	.....	33	0	Do. ...	8,417	Passing *vid* Sinda, Palsa and Sinnar. River Darna at Chechedi not bridged.
	Total, Násik District ...	41	0	.....	41	0	.....	...	
Ahmednagar ...	Road from Ahmednager to Dhond... ...	45	2,640	.....	45	2,640	2,616	1,903	
	Road from Imámpur Ghát to Toka ...	27	0	.....	27	0	4,714	3,704	
	Road from Ahmednagar to Paithan ...	52	2,640	.....	52	2,640	4,048	9,961	
	Total, Ahmednagar District ...	125	0	.....	125	0	.....	...	
	TOTAL, CENTRAL DIVISION ...	272	2,640	.....	272	2,640	.....	...	
	TOTAL, 1 (B).—PARTIALLY BRIDGED AND DRAINED	751	3,780	.....	751	3,780	.....	...	
	Carried over Total 1-A and 1-B ...	2,122	4,592	.....	2,122	4,592	.....	...	

PROVINCIAL ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought forward ...	2,122 45,92	.....	2,122 4,592	.....	...	
		2,122 4,592	.....	2,122 4,592	.....	...	
	2.—UNMETALLED ROADS.						
	A.—BRIDGED AND DRAINED THROUGHOUT.						
	NORTHERN DIVISION.						
Surat and Broach	Road from Párdi to Chiwal	13 0	.....	13 0	2,847	2,352	Constructed and maintained from Provincial Funds.
	Road from Daman to Wápi in British Territory.	3 2,640	.....	3 2,640	2,600	892	
	Total, Surat and Broach Districts ...	16 2,640	.....	16 2,640	.....	...	
	TOTAL, NORTHERN DIVISION ...	16 2,640	.....	16 2,640	.....	...	
	CENTRAL DIVISION.						
Khándesh ...	Neri Ajantha Road (British territory) ...	17 0	.....	17 0	4,434	3,400	For one year only.
	Jakria Barighát Road	2·59 0	.....	2·59 0	12,151	496	For three years only.
	Total, Khándesh District ...	19 3,087	.....	19 3,087	.....	...	
Násik	Násik and Balsád Road	39 0	.....	39 0	.....	7,799	Passing *vid* Rainsej Hill, Chachadgaon, Savalghát and Peint.
	Nanasighát Road	3 1,320	.....	3 1,320	6,570	413	For Forest Traffic only.
	Total, Násik District ...	42 1,320	.....	42 1,320	.....	...	
	TOTAL, CENTRAL DIVISION ...	61 4,407	.....	61 4,407	.....	...	

		SOUTHERN DIVISION.								
Belgaum ...		Khánápur Railway Station Road	0	2,640	.....	0	2,640	2,088	79	
		Gunji do. do.	0	3,960	.....	0	3,960	4,540	90	
		Londa do. do.	0	3,960	.....	0	3,960	4,963	134	
		Total, Belgaum District ...	2	0	.....	2	0	.....	...	
Dhárwár ...		Dhárwár-Goa Road from Dhárwár to Tinaighât on the Goa Frontier	57	3,600	.....	57	3,600	2,672	8,731	
		Kárwár-Bellary Road— Section from Hubli to Gadag	34	0	.....	34	0	12,312	5,837	
		Total, Dhárwár District ...	91	3,600	.....	91	3,600	.....	...	
Ratnágiri and Kolába.		Road from Devgad to Nipáni— Section from Devgad to Dájipur *viâ* Phonda...	41	1,320	.....	41	1,320	2,364	4,045	
		Total, Ratnágiri and Kolába District ...	41	1,320	.....	41	1,320	.....	...	
		TOTAL, SOUTHERN DIVISION ...	134	4,920	.....	134	4,920	.....	...	
		TOTAL, 2 (A).—BRIDGED AND DRAINED THROUGHOUT	212	1,407	... ..	212	1,407	.....	...	
		2.—UNMETALLED ROADS.								
		B.—PARTIALLY BRIDGED AND DRAINED.								
		NORTHERN DIVISION.								
Thána ...		Road from Nanivli and Medwan Khinds ...	11	0	... ..	11	0	1,128	766	Just commenced.
		Road from Khodala to Mokhada	.....		14 0	14	0	.....	...	
		Road from Váda to Shirghát	31	0	.....	31	0	5,588	3,805	Do.
		Road from Manor to Kase (Medhwan to Waroli.	.....		6 2,640	6	2,640	.....	...	
		Total, Thána District ...	42	0	20 2,640	62	2,640	.....	...	
		TOTAL, NORTHERN DIVISION ...	42	0	20 2,640	62	2,640	.....	...	
		Carried over ...	2,377	719	20 2,640	2,397	3,359	.....	...	
		Carried-over Totals of 1-A and 1-B ...	2,122	4,592	.....	2,122	4,592	.....	...	

PROVINCIAL ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	.....	.....	.....	.....	.....	...	
	Brought forward ...	2,122 4,592	.....	2,122 4,592	.....	...	
		2,377 719	20 2,640	2,397 3,359	.....	...	
	2.—UNMETALLED ROADS *—continued.*						
	B.—PARTIALLY BRIDGED AND DRAINED—*continued.*						
	SOUTHERN DIVISION—*concluded.*						
Belgaum ...	Road from Belgaum to Kárwár—						
	Section from Belgaum to Shitavda *vid* Kháná-pur	35 0	.....	35 0	Unknown	7,222	The road was divided into 2 sections in 1893-94 and therefore the average of 4 years only is given.
	Total, Belgaum District ...	35 0	.....	35 0	.....	.....	
Dhárwár ...	Hubli-Sholápur Road—						
	Section from Hubli to Konur	40 0	.....	40 0	6,130	6,162	
	Havanur-Ekambi Road (1st section) ...	17 0	.....	17 0	2,437	2,535	Five miles being metalled, they are shown under metalled roads.
	Anmode-Hemadgi road from Anmode at the head of the Tinaighat to Hemadgi towards Khánápur	6 3,630	.....	6 3,630	Unknown	1,438	
	Kárwár-Bellary Road—						
	Section from Gadag to Hesrur	11 0	.....	11 0	4,653	1 746	
	Total, Dhárwár District ...	74 3,630	.....	74 3,630	.....	.....	

Kánara ...	Koney-Sea Slope Road at Kárwár... ...	1	2,844	.....	1	2,844	12,079	359
	Road from Sadáshivgad to Goa Frontier ...	5	2,640	.....	5	2,640	1,014	468
	Road from Shitowna to Kárwár *viâ* Kadra and Anshi Ghát	52	0	.....	52	0	2,619	6,515
	Road from Yellápur to Ganeshgoody and Barbolly	19	0	.....	19	0	Unknown	746
	Total, Kánara District ...	78	204	.....	78	204	.....	.....
Ratnágiri and Kolába.	Road from Miryabay to Ratnágiri	4	1,700	.....	4	1,700	7,580	615
	Road from Alibág to Kampoli *viâ* Dharamtar—							
	Section from Alibág to Dharamtar ...	13	0	.....	13	0	Unknown	3,687
	Road from Pen to Washi	3	2,640	.....	3	2,640	4,646	792
	Road from Dharamtar to Mahád—							
	Section from Dharamtar to Nágothna ...	13	2,640	.....	13	2,640	10,544	2,480
	Road from Pen to Antora	1	3,960	.....	1	3,960	Unknown	274
	Road from Poládpur to Hatkambe—							
	Section from Poládpur on the Mahád Fitzgerald Ghát road to Hatkambe on the Ratnágiri-Amba Ghát Road	94	2,640	.....	94	2,640	4,070	8,439
	Road from Viziádurg to Phonda near foot of Phonda Ghát	42	0	.....	42	0	Unknown ...	3,128
	Road from Palli to Kasarda—							
	Section from Palli on the Ratnágiri-Ambaghát road to Kasarda on Viziádurg-Phonda road	54	0	.....	54	0	Do. ...	6,741
	Road from Mahád to Mahábaleshvar—							
	Section from Mahád to Kineshwar ...	15	0	.....	15	0	Do. ...	2,822
	Do. from Nágothna to Mahád	41	0	.....	41	0	Do. ...	11,330
	Road from Sangameshvar to Sakharpe ...	20	1,320	.....	20	1,320	4,941	3,687
	Road from Ratnágiri to Ambaghát—							
	Section from Ratnágiri to foot of Ambaghat ...	33	0	.....	33	0	Unknown	4,152
	Road from Harnai to Khed *viâ* Dápoli ...	25	980	.....	25	980	Do. ...	3,325
	Total, Ratnágiri and Kolába District ...	361	40	.....	361	40	.....	.....
		.....		.....	.....		.....	.....
	Carried over ...	*2,925	4,593	20	2,640	¶2,946	1,953	.....	.....
	Carried over Totals of 1-A., 1-B., and 2.-A—Roads	2,335	719	.....		2,335	719	.....	.....

PROVINCIAL ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought forward	2,335 719	.....	2,335 719	.....	...	
		2,925 4,593	20 2,640	2,946 1,953	.....	...	
	2.—UNMETALLED ROADS —*concluded.*						
	B.—PARTIALLY BRIDGED AND DRAINED—*concluded.*						
	SOUTHENRN DIVISION—*concluded.*						
Bijápur ...	Road from Sholápur to Hubli— Section from Takli on the River Bhima to Konur on the Malprabha	115 2,640	.....	115 2,640	Unknown	10,037	
	Road from Karád to Bijápur— Section from Tikota to Nágaz	14 2,640	.....	14 2,640	Do.	1,010	
	Total, Bijápur District ...	130 0	.....	130 0	.....	.....	
Sátára	Road from Karád to Bijápur— Section from Karád to Nágaz	59 0	.....	59 0	*.....	9,424	* The original cost of this road cannot be traced.
	Total, Sátára District ...	59 0	.....	59 0	.....	.....	
	TOTAL, SOUTHERN DIVISION ...	737 3,874	.....	737 3,874	.....	.....	
	CENTRAL DIVISION.						
Poona	Road from 40th mile to 90th mile (Poona-Sholápur Road, Sections II and III)	50 0	.....	50 0	Unknown	14,618†	† Including road from St. Patrick's Church, Poona, to 40th.
	Road from Dápuri to 59th mile-stone (Poona-Násik road)	53 0	.....	53 0	Do.	10,498	
	Total, Poona District ...	103 0	.....	103 0	.....	.....	

Khándesh ...	Dhulia-Surat road from Dhulia to Sakri ...	32	0	.....	32	0	6,994	10,815‡	‡ This includes the cost of repairs to Kondaibarighat Road, miles 48 to 52 and slight repairs to the cleared road from 52 to 86.
	Roads connecting Government buildings at Bhusával...	0	2,640	.....	0	2,640	1,614	298	
	Total, Khándesh District ...	32	2,640	.....	32	2,640	.....	.....	
Ahmednagar ...	Road from Ahmednagar to Pimpalgaon (Nagar-Málegaon Road)	66	0	.....	66	0	1,397	4,073	
	Total, Ahmednagar District ...	66	0	.....	66	0	.....	...	
Sholápur ...	Portion of Poona-Hyderabad Road from Bhima to Tandulwadi	75	0	.....	75	0	4,125	6,614	
	Portion of Sholápur-Bijápur Road from Sholápur to Tákli	19	0	.....	19	0	6,052	2,883	
	Kuslum-Yermalla Road (a branch road to Nizám's frontier)	8	0	.....	8	0	3,125	1,033	
	Total, Sholápur District ...	102	0	.....	102	0	.....	...	
	TOTAL, CENTRAL DIVISION ...	303	2,640	.....	303	2,640	.....	....	
	TOTAL, 2 (B) PARTIALLY BRIDGED AND DRAINED ...	1,083	1,234	20 2,640	1,103	3,874	.....	...	
	4.—ROADS BANKED, BUT NOT SURFACED, PARTIALLY BRIDGED AND DRAINED.								
	NORTHERN DIVISION.								
Ahmedabad ...	Road from Ahmedabad to Hársol (British Portion)	23	0	.....	23	0	2,609	828	Constructed from Imperial Funds and repaired from Provincial Funds.
	Total, Ahmedabad District ...	23	0	.....	23	0	.....	...	
	TOTAL, NORTHERN DIVISION ...	23	0	.....	23	0	.....	...	

PROVINCIAL ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought forward ...	.....	.....	.....	.....	...	
		.....	.....	.....	.....	...	
	4.—ROADS BANKED, BUT NOT SURFACED, PARTIALLY BRIDGED AND DRAINED—*continued.*						
	Southern Division.						
Kánara	Road from Karka to Shamzoda	19 0	.....	19 0	Unknown ...	769	
	Total, Kánara District ...	19 0	.....	19 0	.....	...	
	Total, Southern Division ...	19 0	.....	19 0	.....	...	
	Total 4.—Roads Banked, but not surfaced, partially bridged and drained ...	42 0	.....	42 0	.....	...	
	5.—ROADS CLEARED, PARTIALLY BRIDGED AND DRAINED.						
	Indus Right Bank Division.						
Begári Canals ...	Road from Jacobabad to Khair Garhi ...	32 2,640	.....	32 2,640	Unknown ...	928	
	Total, Begári Canals ...	32 2,640	.....	32 2,640	.....	...	
	Total, Indus Right Bank Division ...	32 2,640	.....	32 2,640	.....	...	

		CENTRAL DIVISION.								
Khándesh	...	Dhulia-Surat Road from Sakri to Pakhari	...	50	0	50	0	Unknown ...	.....	...
		Total, Khándesh District	...	50	0	50	0	.....	.....	...
		TOTAL, CENTRAL DIVISION	...	50	0	50	0	.....	.....	...
		6.—ROADS CLEARED ONLY.								
Kánara	...	Kundal Ghát approach	...	9	0	.....		9 0	Unknown ...	489
		Dhokerpa Ghát approach	...	7	2,640	.....		7 2,640	Do. ...	296
		Kuveshi Ghat approach	...	11	0	.....		11 0	Do. ...	345
		Diggi Ghát approach	...	20	2,640	.....		20 2,640	Do. ...	1,309
		Total, Kánara District	...	48	0	.....		48 0	.....	...
		TOTAL, SOUTHERN DIVISION	...	48	0	.....		48 0	.....	...
		CENTRAL DIVISION.								
Poona	...	Surveying road from Paud to Bhorcus	...	.....		.....		.....	.....	...
		Do. from Dimbha Khurd to Bhimashankar.		.....		.....		.....	.....	...
		Total, Poona District	...	.....		.....		.....	.....	...
Násik	...	Karanjli-Harsul Road	...	18	0	.....		18 0	.....	826
		Total, Násik District	...	18	0	.....		18 0	.....	...
Ahmednagar	...	Road from Málegaon to Ambit	...	11	0	.....		11 0	1,035	401
		Total, Ahmednagar District	...	11	0	.....		11 0	.....	...
		Total, Central Division	...	29	0	.....		29 0	.....	...
		TOTAL 6.—ROADS CLEARED ONLY	...	29	0	.....		29 0	.....	...
		Total of 1-A., 1-B, 2-A, 2-B, 4, 5 & 6	...	3,619	1,953	70	2,640	3,689 2,640	.....	...
		Grand Total, Provincial Road	...	3,619	1,953	70	2,640	3,689 4,593	.....	...

* Included in Dhulia-Surat Road under II (*b*).

ABSTRACT OF PROVINCIAL ROADS.

	1.—METALLED ROADS.				2.—UNMETALLED ROADS.				3.—ROADS.		4.—ROADS.		5.—ROADS.		6.—ROADS.	
	A.—BRIDGED AND DRAINED THROUGHOUT.		B.—PARTIALLY BRIDGED AND DRAINED.		A.—BRIDGED AND DRAINED THROUGHOUT.		B.—PARTIALLY BRIDGED AND DRAINED.		BANKED AND SURFACED WITH MURAM OR SIMILAR MATERIAL, BUT NOT DRAINED.		BANKED, BUT NOT SURFACED, PARTIALLY BRIDGED AND DRAINED.		CLEARED PARTIALLY, BRIDGED AND DRAINED.		CLEARED ONLY.	
	Length in miles.		Length in miles.		Length in miles.		Length in miles.		Length in miles.		Length in miles.		Length in miles.		Length in miles.	
	Completed.	In progress.	Completed.	In progress.	Completed.	In progress.	Completed.	In progress.	Completed.	In progress.	Completed.	In progress.	Completed.	In progress.	Completed.	In progress.
	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.
Northern Division	109 2,073	.....	118 2,640	.....	16 2,640	.....	42 0	20 2,640	.....	.....	23 0	.....	.....	.....	.....	.....
Southern Division	827 2,304	.....	360 3,780	.....	134 4,920	.....	737 3,874	.....	.....	.....	19 0	.....	.....	.....	.....	.....
Central Division	418 1,352	.....	272 2,640	.....	61 4,407	.....	303 2,640	.....	.....	.....	.....	.....	50 0	.....	29 0	.....
Aden	4 1,683	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Indus Right Bank Division	5 0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32 2,640	.....	.....	.....
Indus Left Bank Division ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

	LENGTH IN MILES.		
	Completed.	In progress.	Total.
	Ms. ft.	Ms. ft.	Ms. ft.
Imperial Military Roads	29 2,092	.....	29 2,092
Imperial Civil Roads	1 3,425	.....	1 3,425
Provincial Roads 1-A, 1-B, 2-A, 2-B, 4, 5 and 6	3,619 1,953	70 2,640	3,689 4,593

LOCAL FUND ROADS.

Statement showing the Mileage, &c., and Progress of LOCAL FUND ROADS maintained by the Public Works Department in the Bombay Presidency for the year 1898-99.

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
	1.—METALLED ROADS.	Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	A.—BRIDGED AND DRAINED THROUGHOUT.						
	NORTHERN DIVISION.						
Ahmedabad ...	Road connecting Asarwa Yard with the metalled road to Daryápur Gate	.....	0 3,300	0 3,330	14,091	...	A culvert is being built in the 6th mile.
	Road from Bávla to near the Sábarmati Railway Station, Ahmedabad	24 0	.....	24 0	4,814	8,669	Constructed from Bávla to Ahmedabad from Imperial Funds, and the remaining portion from Local Funds.
	Road from Sárkhej to Sánand	9 0	.....	9 0	7,572	4,218	
	Road from Sánand to Sánand Railway Station .	2 2,640	.....	2 2,640	8,857	856	
	Road from Ahmedabad to Báreja	11 0	.....	11 0	10,418	4,788	
	Road from Astodia Gate, Ahmedabad, to Sháhálum, and thence to Chándola Tank, and a branch from Sháhálum to Kankeria ..	2 2,700	.....	2 2,700	8,655	1,265	
	Road from Ahmedabad to Dholka up to mile No. 8	8 0	.....	8 0	4,313	4,788	
	Total, Ahmedabad District ...	57 60	0 3,300	57 3,360	.....	...	
Kaira and Panch Máls.	Road from Kaira to Mehmadabad, including branch road to Kaira *vid* Camp and the branch to Collector's bungalow	11 1,377	.....	11 1,377	8,507	4,593	
	Road from Kaira to Sábarmati river, including branch to Náika from Vásna	14 2,740	.....	14 2,740	6,241	6,452	
	Road from Vásad to Borsad	11 880	.....	11 880	11,140	3,937	
	Road from Páli to Hangádi	5 1,320	.....	5 1,320	Not known	415	Only half mile is metalled and the rest is a cleared track.
	Road from Nadiád to Kapadvanj	27 0	.....	27 0	15,676	7,916	
	Road from Dákor to Kapadvanj	20 2,000	.....	20 2,000	6,723	6,631	

	Road from Bárejri Railway Station to Náika ...	14	1,020	.....	14	1,020	6,857	6,733	
	Road from Limkheda to Jhálod	25	2,640	.....	25	2,640	5,652	5,590	
	Road from Municipal limit to the Railway Station at Dohad	0	3,022	.....	0	3,022	3,843	453	
	Road from Petlád to Cambay (British portion) ...	5	5,052	.....	5	5,052	8,920	...	
	Total, Kaira and Panch Mahals Districts ..	135	4,211	.....	135	4,211	.....	...	
	Surat District.								
	Road from Bilimora to Chikhli (in British Territory)	2	2,640	.....	2	2,640	252	994	Constructed from Provincial and Local Funds in the proportion of 1 to 2. Maintained from Local Funds.
	Road from Olpád to Sahol	.....		9 650	9	650	.....	...	In progress.
	Road from Kim to Turkeshvar and thence to Mándvi	27	0	.....	27	0	10,804	4,446	Constructed and maintained from Local Funds.
	Road from Sachin to Lajpore	3	0	.....	3	0	4,218	1,000	Constructed and maintained from funds provided by the Sachin State.
	Road from Bárdoli Town to Tapti Valley Railway Station of Bardoli	.....		0 6,790	0	6,790	.....	...	In progress.
	Road from Surat to Sachin (in British Territory) .	3	2,640	.....	3	2,640	11,426	3,000	Constructed and maintained from Local Funds.
	Road from Surat to Sachin (in Sachin State) ...	4	0	.....	4	0	6,253		Constructed and maintained from funds provided by the Sachin State.
Surat and Broach	Road from Udváda Railway Station to Udváda village	4	0	.....	4	0	6,445	1,200	Constructed and maintained by funds contributed by Bái Motlábai Jahángirji Wádia of Bombay.
	Road from Bárdoli to Surbhan	5	660	.....	5	660	3,445	921	Constructed and maintained from Local Funds.
	Road from Surat to Bárdoli (within British Territory)	5	1,320	.....	5	1,320	23,701	2,422	Constructed and maintained from Local Funds.
	Total, Surat District ...	54	1,980	10 2,160	64	4,140	.....	...	
	Broach District.								
	Palej Bazár Road	0	600	.....	0	600	32,428	...	Completed in 1898-99.
	Road from Anklesvar to Hánsot	13	2,640	.....	13	2,640	16,135	4,985	Constructed and maintained from Local Funds.
	Road from Sahol Ilao	1	2,640	.....	1	2,640	3,360	...	Completed in 1898-99.
	Road from Anklesvar to Borebhata	3	0	.....	3	0	13,093	1,157	
	Carried over ...	18	600		18	600	.....	...	

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repas in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought forward ...						
	I.—METALLED ROADS—*continued.*						
	A.—BRIDGED AND DRAINED THROUGHOUT—*continued.*						
	NORTHERN DIVISION—*concluded.*						
	Road from Derol to Wágra	2 0	0 0	2 0	3,442	...	Completed in 1898-99.
	Road from Broach to Jambusar	29 0	.....	29 0	27,978	8,430	Constructed and maintained from Local Funds.
	Total, Broach District ...	49 600	.....	49 600	.....	...	
	Total, Surat and Broach Districts ...	103 2,580	10 2,160	113 4,740	.....	...	
Thána	Road from Sanján Station to Bandar	2 2,640	.....	2 2,640	Unknown ...	198	
	Road from Virár to Agáshi	3 2,640	.....	3 2,640	Do. ...	899	
	Road from Bándra to Ghodbandar ...	18 1,320	.....	18 1,320	.....	6,407	
	Bridge at Kalva	0 1,420	.....	0 1,420	Unknown ...	370	
	Road from Sopara to Nila ...	1 1,320	.....	1 1,320	5,370	455	
	Road from Sion to Trombay ...	6 0	.....	6 0	Unknown ...	1,305	
	Road from Bhiwndi to Kone ...	5 0	.....	5 0	6,717	1,910	
	Road from Vevji to Umbargaon ...	4 2,805	.....	4 2,805	5,463	1,071	
	Road from Dáhánu Station to Powda Creek ...	1 1,320	.....	1 1,320	7,969	272	
	Road from Kurla to Versova ...	7 2,640	.....	7 2,640	Unknown ...	1,732	
	Road from Ghátkoper to Máhul ...	6 0	.....	6 0	Do. ...	1,366	
	Pokhran road	4 1,320	.....	4 1,320	1,268	457	
	Road from Chowk to Karjat (Kolába) ...	6 0	.....	6 0	Unknown ...	1,763	
	Total, Thána District ...	66 1,585	.....	66 1,585	.....	...	
	TOTAL, NORTHERN DIVISION ...	362 3,156	11 180	373 3,336	.....	...	

		SOUTHERN DIVISION.						
Belgaum ...		Road from Sankeshwar to Hukeri	9 0	.....	9 0	1,654	654	
		Road from Dhupdal Railway Station to Gokák Mills	3 1,320	.....	3 1,320	7,778	340	Average for 2 years only.
		Total, Belgaum District ...	12 1,320	.....	12 1,320	.....	...	
Dhárwár ...		Dhárwár-Haliyál road between Dhárwár and Mávinkop in Dhárwár Taluka	16 2,640	.....	16 2,640	1,301	4,931	
		Motibennur-Byádgi road	3 0	.....	3 0	2,240	804	
		Road between Karajgi and Southern Maratha Railway Station at Karajgi	3 239	.....	3 239	6,553	...	Completedt in 1896-97, but some land compensaion charges still are to be paid.
		Total, Dhárwár District ...	22 2,879	.....	22 2,879	.....	...	
Ratnágiri and Kolába.		Uran-Karanja road	4 0	.....	4 0	Unknown ...	1,106	Only 3 years average as the road was transferred for maintenance to this Department in 1894-95.
		Total, Ratnágiri and Kolába Districts ...	4 0	.....	4 0	.....	...	
Bijápur ...		Bágalkot-Hungund road	27 2,640	.....	27 2,640	2,437	3,741	Supplying metal by Famine labour was in progress during the year under report and Rs. 84,293 were spent on that account.
		Total, Bijápur District ...	27 2,640	.....	27 2,640	.....	...	
Sátára		Wái-Wáthár road	18 0	.....	18 0	7,103	5,517	
		Sátára-Pádli road	10 0	.....	10 0	9,209	3,079	
		Total, Sátára District ...	28 0	.....	28 0	.....	...	
		TOTAL, SOUTHERN DIVISION ...	94 1,559	.....	94 1,559	.....	...	
		Carried over ...	456 4,715	11 180	467 4,895	.....	...	

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought forward ...	456 4,715	11 180	467 4,895	.....	...	
	1.—METALLED ROADS—*continued.*						
	A.—BRIDGED AND DRAINED THROUGHOUT—*concluded.*						
	Central Division.						
Poona ...	Portion of road from Lakdipul to join Ganesh Khind road	1 220	.....	1 220	Unknown ...	383	
	Total, Poona District ...	1 220	.....	1 220	.....	...	
Sholápur ...	Jeur-Karmála road	11 0	.....	11 0	4,917	899	
	Total, Sholápur District ...	11 0	.....	11 0	.....	...	
Násik ...	Roads in and about Násik	2 0	.....	2 0	Unknown ...	329	These form 2 branches one Sharanpur and the other Vetal.
	Ambegaon Nanási Road	.....	1 2,640	1 2,640	.....	100	The road is proposed to join Ambegaon at 22nd mile on Násik-Bulsád Road to Nánasi in Dindori Táluka. Suspended for want of funds.
	Shalbasi Ghât road	3 0	.....	3 0	Unknown ...	405	Metalled and drained Ghát road.
	Total, Násik District ...	5 0	1 2,640	6 2,640	.....	...	
	Total, Central Division ...	17 220	1 2,640	18 2,860	.....	...	
	TOTAL, 1.—METALLED ROADS.						
	A.—BRIDGED AND DRAINED THROUGHOUT	473 4,935	12 2,820	486 2,475	.....	...	

1.—METALLED ROADS.

B.—PARTIALLY BRIDGED AND DRAINED.

Northern Division.

Ahmedabad ...	Road from Dhandhuka to Gogo (British portion).	34	0	.....	34	0	* 18,980	3,842	* This includes the cost of improvements sanctioned by the District Local Boards for a portion of road 6 miles in length from Dhandhuka to Tagdi. Constructed from Imperial Funds, and now repaired from Local Funds.
	Road from Dhandhuka to Ránpur	18	0	.....	18	0	4,860	2,745	
	Total, Ahmedabad District ...	52	0	.....	52	0	.....	...	
Kaira and Panch Mahals.	Road from Godhra to Dohad, including a branch to Baria from Ashadi	53	0	.....	53	0	12,514	7,670	
	Road from Nadiád to Wásna, including Nadiád, Matar and Ratanpur branches	18	3,628	.....	18	3,628	6,252	6,174	
	Road from Godhra to Shera	14	0	.....	14	0	5,244	909	This road is to be repaired from Provincial Funds from 1st April 1897.
	Total, Kaira and Panch Mahals District ...	85	3,628	.....	85	3,628	.....	...	
Thána	Road from Boisar to Chinchni	7	2,640	.....	7	2,640	.....	1,706	
	Road from Wadowli to Sion Trombay ...	0	2,800	.....	0	2,800	Unknown ..	206	
	Road from Wevji te Umbergaon	4	1,980	.....	4	1,980	.....	1,210	
	Chincholi Road	0	1,600	.....	0	1,600	Unknown ...	76	
	Road from Bhayndar to Utan	6	1,320	.....	6	1,320	6,382	1,240	
	Road from Ambadi to Vajreshwari	.....		4 4,400	4	4,400	.....	...	Works in progress. Maintenance not commenced.
	Road from Bhiwndi to Váda	25	2,640	.....	25	2,640	6,162	7,096	
	Road from Kalyán to Málsej Ghát	35	2,640	.....	35	2,640	5,926	9,778	
	Road from Kurla to Koli Kalyán	0	1,600	.....	0	1,600	Unknown ...	227	
	Road from Maroli to Anikchambur... ...	0	960	.....	0	960	Do. ...	41	
	Road from Wadovli to Sion Trombay ...	0	2,800	.....	0	2,800	.....	124	
	Total, Thána District ...	80	5,140	4 4,400	85	4,260	.....	...	
	Total, Northern Division ...	218	3,488	4 4,400	223	2,608	.....	...	
	Carried over ...	692	3,143	17 1,940	709	5,083	.....	...	
	Total of 1-A.—Roads ...	473	4,935	12 2,820	486	2,475	.....	...	

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought forward ...	473 4,935	12 2,820	486 2,475	.....	...	
		692 3,143	17 1,940	709 5,083	.....	...	
	1.—METALLED ROADS—*continued.*						
	B.—PARTIALLY BRIDGED AND DRAINED—*concluded.*						
	Southern Division.						
Belgaum ..	Road from Gokák Mills to Gokák town 2nd Section, ...	.....	5 660	5 660	.....	...	In progress as a Famine test work.
	Total, Belgaum District ...	.....	5 660	5 660	.....	...	
Dhárwár ...	Dhárwár-Saundatti Road *viâ* Aminbhavi between Dhárwár and Hirebelwadi ...	11 1,320	.....	11 1,320	2,312	3,137	
	Navalgund-Annigeri Road	11 2,640	.....	11 2,640	9,585	2,744	
	Total, Dhárwár District ...	22 3,960	...	22 3,960	.....	...	
Bijápur ...	Ilkal-Hungund Road	8 0	.....	8 0	2,891	1,077*	*Supplying metal by Famine labour was in progress during the year under report and Rs. 18,974 were spent on that account. The average is only for 3 years.
	Guledgud-Katgeri Road	6 2,640	.....	6 2,640	4,504	756	
	Total, Bijápur District ...	14 2,640	.....	14 2,640	.....	...	

Sátára ...	Wái-Pachwad Road	8	0	.....	8	0	1,935	594			
	Peth-Sangli Road	20	0	.....	20	0	4,795	2,894			
	Tasgaon-Ashta Road (station road) ...	6	0	.....	6	0	4,732	1,508			
	Total, Sátára District ...	34	0	.....	34	0	.....	...			
	TOTAL, SOUTHERN DIVISION ...	71	1,320	5	660	76	1,980	.....	...		
	CENTRAL DIVISION.										
Poona ...	Road from Junnar to Narayengaon ...	9	0	.....	9	0	Unknown ...	1,185			
	Road from Poona to Páud	17	2,640	.....	17	2,640	Do. ...	3,410			
	Road from Poona to Alándi	9	0	.....	9	0	Do. ...	979			
	Road from Poona to Singhar	13	0	.....	13	0	Do. ...	3,026			
	Total, Poona District ...	48	2,640	.....	48	2,640	.....	...			
Ahmednagar ...	Kolar to Bari	65	0	.....	65	0	2,670	8,765			
	Total, Ahmednagar District ...	65	0	.....	.....		.....	...			
Násik ...	Ghoti-Barighat Road	13	1,320	.....	13	1,320	2,767	1,518	Passing *vid* Ubhade to Barighát. River Darna at Ghoti has a boat. The River Kadwa beyond not bridged.		
	Násik-Trimbak Road	18	0	.....	18	0	2,664	2,768			
	Total, Násik District ...	31	1,320	.....	31	1,320	.....	...			
	TOTAL, CENTRAL DIVISION ...	144	3,960	.....	144	3,960	.....	...			
	TOTAL, I.-B.—PARTIALLY BRIDGED AND DRAINED	434	3,488	9	5,060	444	3,268	.....	...		
	Carried over ...	908	3,143	22	2,600	931	463	.....	...		
	Carried over Totals of I-A and I-B—Roads ...	908	3,143	22	2,600	931	463	.....	...		

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classifications and Names of Roads.	Length in Miles. Completed. Ms.	ft.	In progress. Ms.	ft.	Total. Ms.	ft.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
								Rs.	Rs.	
	Brought forward ...	908	3,143	22	2,600	931	463	.....	...	
		908	3,143	22	2,600	931	463	.....	...	
	2.—UNMETALLED ROADS.									
	A.—BRIDGED AND DRAINED THROUGHOUT.									
	Northern Division.									
Kaira and Panch Mahals.	Road from Kákal to Jámbughoda	27	0	.....		27	0	971	1,068	
	Total, Kaira and Panch Mahals Districts ...	27	0	.....		27	0	.....	...	
	Surat District.									
Surat and Broach	Road from Bulsár to Dharampur	15	2,640	.....		15	2,640	5,545	3,228	Constructed and maintained from Local Funds.
	Road from Ránder to Bhesan	2	0	.....		2	0	4,710	974	Do. do.
	Road from Ránder to Olpád	8	2,640	.....		8	2,640	10,805	3,939	Do. do.
	Road from Chikhli to Bánsda in British Territory	10	2,640	.....		10	2,640	1,608	3,324	Do. do.
	Road from Bulsár to Párdi *vid* Par river ...	6	2,640	.....		6	2,640	Unknown ...	1,745	Do. do.
	Road from Kentish turning Junction to Gavier.	4	2,640	.....		4	2,640	Do. ...	1,760	Do. do.
	Road from Khim to Sahol	7	0	.....		7	0	Do. ...	700	Do. do.
	Road from Surat Railway Station to Varacha ...	3	2,640	.....		3	2,640	4,984	1,598	Do. do.
	Total, Surat and Broach Districts ...	58	0	.....		58	0	.....	...	

Thána ...	...	Road from Saki to Vihár	3	0	.....	3	0	Unknown ...	549	
		Road from Bhándup to Vihár	2	2,640	.....	2	2,640	Do. ...	92	
		Total, Thána District ...	5	2,640	.....	5	2,640	.....	...	
		TOTAL, NORTHERN DIVISION ...	90	2,640	.....	90	2,640	.....	...	
		SOUTHERN DIVISION.								
Belgaum	...	Road from Nipani to Mahalingpur ...	53	0	.....	53	0	8,645	6,946	
		Do. Gokák to Hukeri	18	2,640	.....	18	2,640	10,027	2,507	
		Total, Belgaum District ...	71	2,640	.....	71	2,640	.....	...	
Ratnágiri and Kolába.		Road from Alibág to Rewas	15	0	.....	15	0	10,033	2,259	
		Road over Mutholi Khind (section of Indápur and Ta'e road)	2	1,655	.....	2	1,655	7,585	397	
		Portion of Pen-Panvel Road between Dusaviford and Kalhe Khind	3	2,640	.....	3	2,640	4,856	1,218	
		Pen-Panvel Road from Karli Khind to Palaspe ...	5	3,520	.....	5	3,520	8,470		
		Total, Ratnágiri and Kolába Districts ...	26	2,535	.....	26	2,535	.....	...	
		TOTAL, SOUTHERN DIVISION ...	97	5,175	.....	97	5,175	.....	...	
		CENTRAL DIVISION.								
Poona	...	Road from Khandála to Khandála Railway Station.	0	500	.....	0	500	73	64	For two years only.
		Do. Talegaon to Railway Station ...	1	1,320	.....	1	1,320	1,776	220	
		Do. Lonikalbhar to join Sholápur Road ...	0	412	.....	0	412	Unknown.	20	
		Total, Poona District ...	1	2,232	.....	1	2,232	.....	...	
Ahmednagar	...	Road from the village of Belwandi to the Belwandi Station	3	1,320	.....	3	1,320	4,940	222	
		Kopergaon-Signápur Road	2	1,320	.....	2	1,320	4,965	278	
		Ráhuri Station Feeder Road	3	0	.....	3	0	3,545	345	
		Total, Ahmednagar District ...	8	2,640	.....	8	2,640	.....	...	

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and Names of Roads	Length in Miles. Completed. Ms.	ft.	In progress. Ms.	ft.	Total. Ms.	ft.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Rs.		Rs.		Rs.		Rs.	Rs.	
	Brought forward ...	.....		.....		.....		.....	...	
		.....		.....		.....		.....	...	
	2.—UNMETALLED ROADS—*contd.*									
	A.—BRIDGED AND DRAINED THROUGHOUT—*concluded.*									
	CENTRAL DIVISION—*concluded.*									
Násik ...	Shelbarighat Road	3	0	.....		3	0	Not known..	430	Metalled and drained throughout.
	Total, Násik District ...	3	0	.....		3	0	.....	...	
	TOTAL, CENTRAL DIVISION ...	12	4,872	.....		12	4,872	.....	...	
	TOTAL, II (A) BRIDGED AND DRAINED THROUGHOUT	201	2,127	.....		201	2,127	.....	...	
	2.—UNMETALLED ROADS.									
	B.—PARTIALLY BRIDGED AND DRAINED.									
	NORTHERN DIVISION.									
Kaira and Panch Maháls.	Road from Godhra to Khakhadia, including a branch to the Railway Station	22	2,640	.....		22	2,640	10,146	1,249	
	Road from Orwada *viâ* Morwa to Sunth Frontier.	20	0	.....		20	0	3,654	1,165	This road is to be repaired from Provincial Fund from 1st April 1897.
	Total, Kaira and Panch Maháls District ...	42	2,640	.....		42	2,640	.....	...	

Thána ...	Road from Ambadi to Vajreshwari...	...	.....		4	4,400	4	4,400	.....	491
	Road from Máhim to Váda ...	...	32	0	.....		32	0	2,943	7,682
	Road from Bassein to Nirmal ...	...	4	0	.....		4	0	Unknown ...	932
	Road from Kalyán to Dahisar ...	...	9	0	.....		9	0	3,777	1,498
	Road from Málád to Merwa ...	...	2	2,640	.....		2	2,640	5,739	1,221
	Road from Kelva to Belápur ...	...	7	0	.....		7	0	1,897	967
	Road from Bhándup to Agra Road	...	0	3,025	.....		0	3,025	Unknown ...	66
	Road from Govindi to Sion Trombay	...	0	3,100	.....		0	3,100	Do. ...	81
	Road from Kandowli to Bándra-Ghodbandar Road	..	0	3,000	.....		0	3,000	Do. ...	84
	Road from Thána to Ghodbandar ...	...	7	2,640	.....		7	2,640	3,502	667
	Páwai village Road	..	2	2,350	.....		2	2,350	Unknown ...	372
	Kondivta Road	..	0	2,200	.....		0	2,200	Do. ...	45
	Road from Papdi to Satowli Khind	...	5	4,620	.....		5	4,620	Do. ...	2,402
	Total, Thána District	...	72	2,455	4	4,440	77	1,575	.....	...
	TOTAL, NORTHERN DIVISION	...	114	5,095	4	4,440	119	4,255	.....	...
	Carried over	...	.....		.....		.....		.....	...
	Carried over Totals of 1-A., 1-B., and 2-A., Roads		1,100	5,270	22	2,600	1,132	2,590	.....	...
	SOUTHERN DIVISION.									
Belgaum ...	Road from Gokák to Navalgund ...	...	45	0	.....		45	0	8,981	5,700
	Road from Athni to Kágvad ...	...	24	0	.....		24	0	Unknown ...	2,859
	Road from Gotur to Tásgaon ...	...	47	0	.....		47	0	Do. ...	3,817
	Road from Sundatti to Dhárwár ...	...	11	2,640	.....		11	2,640	4,328	1,116
	Road from Manoli to Saundatti ...	...	6	1,320	.....		6	1,320	5,034	821
	Road from Kudchi to Terdal ...	...	10	3,005	.....		10	3,005	6,302	*1,200
	Total, Belgaum District	...	144	1,685	.....		144	1,685	.....	...
Dhárwár ...	Harihar-Sámasgi Road ...	...	51	1,980	.....		51	1,980	Unknown ...	7,770
	Byadgi Havasbhavi Road ...	...	10	3,960	.....		10	3,960	2,240	1,925
	Tadas-Gundi Road	...	34	3,960	.....		34	3,960	Unknown ...	5,304
	Masur-Mundergi Road ...	...	47	600	.....		47	600	684	6,709
	Palla-Bádámi Road	...	78	1,980	.....		78	1,980	1,971	11,644
	Carried over	...	222	1,920	.....		222	1,920	.....	...
			1,591	3,410	27	1,760	1,618	5,170	.....	...
	Carried over Totals of 1-A., 1-B., and 2-A., Roads		11,00	5,270	22	2,600	1,132	2,590	.....	...

Average of 3 years only.
Do.
*This expenditure is for 1898-99 only. The road was opened to traffic in 1897-98.

Out of the whole length about 3 miles are unmade.

The first section of this road from Yelvigi to Bankápur is metalled, bridged and drained. Improvements between Gadag and Mulgund are in progress.
Do. in Savanur State completed at a cost of Rs. 6,579.
Do. near mile 47 Rs. 658.
Do. in Town of Ron Rs. 700.

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed. Ms.	ft.	In progress. Ms.	ft.	Total. Ms.	ft.	Average total cost of construction per mile.	Average annual cost, maintenance and repairs in the last five years.	Remarks.
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Rs.	Rs.	
	Brought over ...	1,109	5,270	22	2,600	1,132	2,590	.....	...	
		1,591	3,410	27	1,760	1,618	5,170	.....	...	
	2.—UNMETALLED ROADS—*contd.*									
	B.—PARTIALLY BRIDGED AND DRAINED THROUGHOUT—*continued.*									
	Southern Division—*continued.*									
Dárwár—*continued.*	Dhárwár-Tadas Road	27	600	.....		27	600	1,359	3,686	
	Navalgund-Ron Road...	28	0	.....		28	0	6,470	3,951	A slab drain in mile No. 19 of the road was constructed at a cost of Rs. 361 during the year 1896-97. Improvements to the road in the town of Ron were completed at a cost of Rs. 3,406.
	Road from Kotumachgi to Gajendragad ...	3	1,650	16	4,149	20	519	.....	...	Under construction.
	Road from Ron to Gajendragad	.....		16	3,168	16	3,168	.....	...	
	Road from Gajendragad to Naregal ...	.....		15	4,149	15	4,149	.....	...	
	Road from Nargund to Mallápur... ...	.....		13	1,675	13	1,675	.....	...	
	Total, Dhárwár District ...	280	4,170	62	2,581	343	1,471	.....	...	
Ratnágiri and Kolába Districts.	Road from Salao to Korlai	2	1,760	.....		2	1,760	2,428	410	
	Road from Pen to Kharapada	7	0	.....		7	0	Unknown ...	1,165	Only four years' average, as the roads were transferred for maintenance to this Department in 1893-94.
	Road from Alibág to Revdánda—Portion from Sákkar to Revdanda ...	8	3,960	.....		8	3,960	2,332	1,603	
	Road from Kálka to Palaspe	2	0	.....		2	0	Unknown ...	179	
	Road from Guhágar to Chikhli	8	0	.....		8	0	2,520	998	Only three years' average as the road was constructed in 1894-95.
	Total, Ratnágiri and Kolába Districts ...	28	440	.....		28	440	.....	...	

Bijápur ...	Road from Kerar to Katgeri	9	0	.....	9	0	2,882	719	The average is only for 3 years.
	Road from Mirya Bay to Sindgi *viâ* the Amba-ghát—								
	Section from Bijápur to Sindgi ...	35	2,640	.....	35	2,640	.....	3,811	Earth-work and certain masonry works were completed as an ordinary original work at a Local Fund outlay of Rs. 14,014. Collection of metal, &c., was done by famine labour and Rs. 37,918 were spent on that account.
	Road from Bijápur to Indi	30	0	.....	30	0	.....	982	Portion from Bijápur to Nagthan only has been in charge of this Department for maintenance since last year.
	Road from Indi to Indi Railway Station ...	3	2,640	.....	3	2,640	3,600	616	
	Muddebihál-Chimalgi Road	19	2,640	.....	19	2,640	4,372	2,800	Supplying metal by famine labour was in progress during the year under report and Rs. 52,670 were spent on that account.
	Road from Bijápur to Bágevádi	24	0	.....	24	0	Unknown ...	3,302	Improvements were done by deviating the line, &c., and Rs. 8,136 were spent last year on this account.
	Sholápur-Bellari Road—								
	Portion from Indi to Tambe	13	0	.....	13	0	Unknown ...	1,486	The average is only for 4 years.
	Almel-Pandharpur Road—								
	Portion from Almel to Shirdhon ...	48	0	.....	48	0	.....	1,124	Only portion from Indi to Almel has been in charge of this Department for maintenance since last year.
	Total, Bijápur District ...	182	2,640	.....	182	2,640	.....	...	
Sátára ...	Sátára-Pandharpur Road (within the limits of Sátára District)	60	0	.....	60	0	1,277	9,455	
	Sátára-Lonand Road—								
	Portion of old Poona road from Waduth to the Nira river	27	0	.....	27	0	753	2,346	
	Sátára-Tásgaon Road	64	0	.....	64	0	722	5,675	
	Carried over ...	151	0	.....	151	0	.....	...	
		2,011	3,460	89 4,341	2,100	2,521	.....	...	
	Carried over Totals of 1.-A., 1-B., and 2-A., Roads...	1,109	5,270	22 2,600	1,132	2,590	.....	...	

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.		In progress.		Total.		Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Rs.	Rs.	
	Brought over ...	1,109	5,270	22	2,600	1,132	2,590	.....	...	
		2,011	3,460	89	4,341	2,100	2,521	.....	...	
	2.—UNMETALLED ROADS—*contd.*									
	B.—PARTIALLY BRIDGED AND DRAINED THROUGHOUT—*continued.*									
	SOUTHERN DIVISION—*concluded.*									
Sátára—*contd*	Malharpeth-Pandharpur Road (within the limits of the Sátára District)... ...	54	0	.....		54	0	931	6,535	
	Karád-Tásgaon road...	35	0	.....		35	0	2,345	4,158	
	Pusegaon-Waduj road	12	0	.....		12	0	2,264	1,345	
	Total, Sátára District ...	252	0	.....		252	0	.....	...	
	TOTAL, SOUTHERN DIVISION ...	887	3,655	62	2,581	950	956	.....	...	
	CENTRAL DIVISION.									
Poona ...	Road from Hadapsur to Nira bridge (old Sátára road)	38	4,224	.....		38	4,224	3,483	5,240	
	Road from Wadgaon to Shikarpur ...	33	0	.....		33	0	2,586	5,326	
	Road from Pátus to Pátus Railway Station ...	3	1,320	.....		3	1,320	Unknown ...	216	
	Road from Bárámati to Khanowta ...	21	0	.....		21	0	Do. ...	2,070	
	Road from Nira bridge to Sirúr	55	3,960	.....		55	3,960	Do. ...	4,005	
	Road from Manchar to Ambegaon ...	18	4,100	.....		18	4,100	3,146	2,260	
	Road from Diksal Railway Station to join Sholápur road	1	1,320	.....		1	1,320	315	150	

	Road from Lanowli to foot of Sákal-pathar ...	3	0	.....	3	0	Unknown ...	409	
	Road from Loni to Pábul	15	0	.....	15	0	Do. ...	998	
	Road from Indápur to Bárámati	31	0	.....	31	0	228	2,359	
	Road from village of Mundwa to the proposed station on the G. I. P. Railway line Hadupsar.	0	3,692	.....	0	3,692	2,990	117	Constructed from Provincial and maintained also during the year from the same Fund.
	Bárámati-Nira Station road	25	0	.....	25	0	3,670	4,458	
	Total, Poona District ...	246	2,776	.....	246	2,776	.....	...	
	Dhulia-Amalner-Chopda Road including Sections from Amalner to Tápti and Tápti to Chopda	38	0	.....	38	0	5,164	3,409	The past 5 years' expenditure is for the portion from Dhulia to Amalner. The portion from Amalner to Tápti and on to Chopda has been added since 1898-99.
	Road from Bhusával to Jalgaon	13	0	.....	13	0	2,600	2,000	For 1 year only.
	Do. Section Duskheda to Anjala ...	5	0	.....	5	0	4,299	400	For 3 years only.
	Station roads, Dhulia	8	0	.....	8	0	Unknown ...	1,004	
	Bhusával-Yáwal road	11	0	.....	11	0	6,919	2,268	
	Jálgaon-Jámner road...	22	0	.....	22	0	Unknown ...	3,996	
Khándesh ...	Jálgaon-Dharangaon Road	20	0	.....	20	0	4,939	4,092	
	Chálisgaon-Outrámghát road	12	2,640	.....	12	2,640	19,372	2,668	
	Dhulia-Amalner road...	18	0	.....	18	0	.....	...	Included in Dhulia-Amalner-Chopda Road.
	Dondaicha-Sháháda road	17	0	.....	17	0	7,135	4,541	
	Erandol-Dharangaon Chopda road ...	18	2,640	.....	18	2,640	Unknown ...	3,791	
	Kujgaon-Párola road	22	0	.....	22	0	6,004	3,809	
	Mhasavad-Dhulia road	46	0	.....	46	0	Unknown ...	8,741	Portion from Dhulia to Fagna (4½ miles) is metalled.
	Páchora-Bhadgaon road	8	2,640	.....	8	2,640	2,385	1,553	
	Songir-Nándurbar road	45	0	.....	45	0	5,723	11,382	
	Sakri-Pimpalner road	13	2,640	.....	13	2,640	5,954	2,303	
	Bhádgaon-Talwáda road	9	0	.....	9	0	Unknown ...	1,253	
	Amaluer Parola road...	.....		12	0	12	0	.....	...	Under construction.
	Nandurbar Taloda road	.....		14	0	14	0	.....	...	
	Sindkheda Gorana road	.....		9	0	9	0	.....	...	
	Total, Khándesh District ...	327	0	35	0	362	0	.....	...	
	Carried forward ...	2,686	956	124	4,341	2,811	17	.....	...	
	Carried over Totals of I-A, I-B, and II-A Roads	1,109	5,270	22	2,600	1,132	2,590	.....	...	

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought over ...	1,109 5,270	22 2,600	1,132 2,590	.....	...	
		.....	.....	.....	.....	...	
		2,686 956	124 4,341	2,811 17	.....	...	
	2.—UNMETALLED ROADS—*contd.*						
	B.—PARTIALLY BRIDGED AND DRAINED THROUHOUT—*continued.*						
	CENTRAL DIVISION—*continued.*						
Násik	Násik-Dindori and Kalvan road	44 0	.....	44 0	4,170	3,922	The road is metalled in few of the miles. The rest is muramed, has dips at large river crossings. The road passes *vid* Dindori, Saptashringer, &c.
	Khándesh and Nizám's Frontier road ...	82 0	.....	82 0	1,530	4,831	The road is metalled in few places and has dips at some river crossings. Passes from Khámgaon in the east, *vid* Yeola, Vinchur, Lásalgaon, Chándor, Bhowadbári to Dholbári towards Khándesh.
	Dholbári-Shelbári road	.....	10 0	10 0	.....	...	
	Násik-Waghera road	22 0	.....	22 0	Not known..	3,315	Almost all metalled has bridges and level crossings along 6 miles. There are temporary diversions to certain nálas.
	Nanasighát Barhe road	11 0	.....	11 0	2,357	57	A muramed and drained road for forest traffic only.
	Cherraibari road	1 0	.....	1 0	Unknown ...	237	A muramed ghat road only.
	Total, Násik District ...	160 0	10 0	170 0	.....	...	

Ahmednagar ...	Road from Randh to Sámráj	9	0	.....	9	0	3,489	396
	Road from Jamgaon to Kotul	10	0	.. ...	10	0	2,876	478
	Nagar-Sheogaon road	39	0	.....	39	0	Unknown ...	3,770
	Khosipuri-Ismálpur road	12	0	.....	12	0	5,030	966
	Nevása-Sheogaon Bodhegaon road... ...	39	2,640	.....	39	2,640	1,750	1,491
	Tisgaon-Pathávdi road...	7	1,320	.....	7	1,320	3,279	622
	Shendi-Vámbori road	8	0	.....	8	0	Unknown ...	607
	Rahata-Chitali road	10	0	.....	10	0	4,435	951
	Nevása-Belápur road	24	0	.....	24	0	6,583	2,467
	Belápur Station feeder road	4	0	.....	4	0	4,633	509
	Loni-Belápur road	14	0	.....	14	0	3,574	1,071
	Nagar-Tákli-Khándeshwar road	40	0	.....	40	0	Unknown ...	3,311
	Nagar-Jámkhed road	47	0	.....	47	0	Do. ...	2,299
	Jámkhed-Mohoghát road	5	0	.....	5	0	Do. ...	424
	Pimpri Station feeder road	7	3,960	.....	7	3,960	2,244	529
	Total, Ahmednagar District ...	276	2,640	.....	276	2,640	.....	...
Sholápur ...	Road from Bársi-road Station to Pandharpur ...	31	0	.....	31	0	3,706	5,903
	Road from Bársi road Station to Tembhurni road	15	0	... ..	15	0	Not known...	1,052
	Total, Sholápur District ...	46	0	.....	46	0	.....	...
	TOTAL, CENTRAL DIVISION ...	1,056	136	45 0	1,101	136	.....	...
	TOTAL, 2 (B) PARTIALLY BRIDGED AND DRAINED	2,058	3,606	112 1,741	2,171	67	.....	...
	3.—ROADS, BANKED AND SURFACED WITH "MURAM" OR SIMILAR MATERIAL, BUT NOT DRAINED.							
	SOUTHERN DIVISION.							
Sátára	Pusesávli-Shingnápur road	34	0	.....	34	0	168	2,704
	Tásgaon-Pingli road	45	0	.....	45	0	348	3,799
	Total, Sátára District ..	79	0	.....	79	0	.....	...
	TOTAL, SOUTHERN DIVISION ...	79	0	.....	79	0	.....	...
	Carried over ...	3,247	3,596	134 4,341	3,382	1,657	.....	...

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
		.....	.....	.....	.....	...	
	Totals, 1-A, 1-B, and 2-A, 2-B Brought over...	3,168 3,526	134 4,341	3,303 1,657	.....	...	
		3,247 3,596	134 4,341	3,382 1,657	.....	...	
	3.—ROADS, BANKED AND SURFACED WITH "MURAM" OR SIMILAR MATERIAL, BUT NOT DRAINED —*continued.*						
	CENTRAL DIVISION.						
Poona	Road from Kárli Railway Station to join Bombay Mail road	1 2,640	.....	1 2,640	691	99	
	Do. Khed to Pábul	12 0	.....	12 0	589	1,040	
	Do. Khed to Bhorgiri	31 0	.....	31 0	Unknown ...	3,538	
	Do. Junnar to Rajur	6 0	.....	6 0	Do ...	544	
	Do. Yevát Railway Station to join Sholápur road	1 1,320	.....	1 1,320	475	50	
	Do. Loni to Chándgaon	4 0	.....	4 0	Unknown ...	201	
	Do. Chinchwad to Railway Station ...	1 1,320	.....	1 1,320	Do. ...	95	
	Do. Narayanpur to Kapurwohole ...	7 2,692	.....	7 2,692	782	1,064	For four years.
	Do. Aundh to Shelárwádi	11 0	.....	11 0	Unknown ...	1,245	
	Total, Poona District ...	75 2,692	.....	75 2,692	.....	...	
	Arangaon-Walki road	3 0	.....	3 0	Unknown ...	213	
	Shrigonda-Kashti road	8 0	.....	8 0	Do. ...	606	
	Kharda-Shrigonda road (from Shrigonda to the Sina river)	34 0	.....	34 0	Do. ...	2,860	

Ahmednagar ...	Karjat-Chincholi road	7	0	.....	7	0	Do. ...	598	
	Supa-Pimpalgaon Dipa road	47	0	.....	47	0	Do. ..	3,887	
	Supa-Sarola road	7	0	.....	7	0	Do. ..	556	
	Párner-Jamgaon-Takli road	12	0	.....	12	0	Do. ..	513	
	Párner-Chincholi road	5	0	.....	5	0	Do. ...	373	
	Total, Ahmednagar District ...	123	0	.....	123	0	.....	...	
Solápur District...	Pandhárpur Janoni Road	41	0	.....	41	0	1,220	3,963	
	Sholápur Barsi Road	42	0	.....	42	0	1,329	2,163	
	Mohol Pandhárpur Road	24	0	.....	24	0	Unknown ...	2,027	
	Tembhurni Malsiras Road	25	0	.....	25	0	Do. ...	7,103	
	Sholápur Akálkot Road	14	0	.....	14	0	Do. ...	503	
	Total, Sholápur District ...	146	0	.....	146	0	.....	...	
Násik District ...	Satána Málegaon Road...	23	0	.....	23	0	Unknown ...	2,431	Passes *viâ* Bhovángaon and Dabhodi.
	Total Násik District ...	23	0	.....	23	0	.....	...	
	TOTAL, CENTRAL DIVISION ...	367	2,692	.....	367	2,692	.....	...	
	TOTAL, 3.—ROADS, BANKED AND SURFACED, &c.	446	2,692	.....	446	2,692	.....	...	
	4.—ROADS, BANKED, BUT NOT SURFACED, PARTIALLY BRIDGED AND DRAINED.								
	NORTHERN DIVISION.								
Ahmedabad ...	Road from Ahmedabad-Dholka to village of Sahijpur Gopalpur	0	1,500	.....	0	1,500	9,666	...	Completed
	Road from Dholera to Whittle Bandar ...	8	0	.....	8	0	1,664	1,471	
	Total, Ahmedabad ...	8	1,500	.....	8	1,500	.....	...	
	TOTAL, NORTHERN DIVISION ...	8	1,500	.....	8	1,500	.....	...	
	Carried over ...	3,623	2,508	134 4,341	3,758	1,569	.....	...	
		3,615	1,008	134 4,341	3,750	69	.....	...	

Executive Districts.	Classification and Names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	
	Brought forward ...	3,615 1,008	134 4,341	3,750 69	.....	...	
		3,623 2,508	134 4,341	3,758 1,569	.....	...	
	SOUTHERN DIVISION.						
Kánara ...	Hill road from the junction of wharf road to the English church at Kárwár	0 1,954	.....	0 1,954	Unknown ...	18	The road was transferred from Municipality, *vide* Government Resolution No. 12 C.W. 62, dated 15th January 1897. The original cost is unknown. 1115 feet of the Road have been metalled, during 1898-99 at a cost of Rs. 140.
	Road from Aminally to Kumta *vid* Nilkund Ghát	32 0	.....	32 0	Do. ...	2,589	
	Do. Yellápur to Kodkoni *vid* Sirsi ...	63 0	.....	63 0	Do. ...	5,034	
	Do. Sirsi to Hillur *vid* Waddi Ghát ...	32 2,640	.....	32 2,640	60	387	This road retransferred to the Local Board in 1896-97 after spending Rs.4.
	Do. Siddápur to Nilkund	21 0	.....	21 0	Unknown ...	1,525	
	Do. Ankola to Madras *vid* Mirjan to Kumta...	63 0	.....	63 0	Do. ...	5,064	
	Total, Kánara District ...	211 4,594	.....	211 4,594	.....	...	
	TOTAL, SOUTHERN DIVISION ...	211 4,594	.....	211 4,594	.....	...	
	TOTAL, 4.—ROADS, BANKED, BUT NOT SURFACED, PARTIALLY BRIDGED AND DRAINED	220 814	.....	220 814	.....	...	
	5.—ROADS, CLEARED, PARTIALLY BRIDGED AND DRAINED.						
	SOUTHERN DIVISION.						
	Road from Sindgi to Indi, *vid* Almel, 31¾ miles.	.....	.....	.....	.....	...	Earth-work and masonry works were commenced on the 1st and 2nd Sections as an ordinary original work and Rs. 4,489 expended thereon; since November last only earth-work has been in progress as a famine relief work on 2nd Section, and Rs. 21,622 were expended on that account.

Bijápur ...	Road from Huvin Hippargi to Telgi, *vid* Bágevádi.	.....	.....	.....	.....	...		Earth-work was done as an ordinary work at an outlay of Rs. 10,866 and by famine labour at an outlay of Rs. 58,274.
	Improving Indi-Shirdhon Road, 26 ½ miles ...	.....	.....	.....	.....	...		Work was opened on this road as a famine relief work and Rs 57,069 were spent last year on that account.
	Improving Devar-Hippargi-Talikot Road, 30¾ miles.	.....	.....	.....	.....	...		Do. Rs. 78,469 do.
	Improving Huvin-Hippargi to Talikot Road, 17 miles 3,030 feet.	.....	.....	.....	.....	...		Do. Rs. 26,935 do.
	Construction road from Bádámi to Mudkavi, 23·86 miles.	.....	.....	.....	.....	...		Do. Rs. 44,147 do.
	Improving road from Telgi to Kolhar, 10 miles.	.....	.....	.....	.....	...		Do. Rs. 6,685 do.
	Constructing road from Muddebihál to Nalatwad, 12 miles.	.....	.....	.....	.....	...		Do. Rs. 5,511 were spent on it during the last year.
	Total, Bijápur District ...	.....	.....	.....	.....	...		
Sátára	Sátára-Parali Road	6 0	.....	6 0	2,344	696		
	Road connecting Shingnápur with Sholápur Road.	7 1,320	.....	7 1,320	Unknown ...	669		
	Do. do. Phaltan Road.	3 1,320	.....	3 1,320	Do. ...	539		
	Improvements to Sátára-Kas Road— Section from Sátára to Yeoteshwar ...	2 0	.....	2 0	2,049	4,037		
	Total, Sátára District ...	18 2,640	.....	18 2,640	.....	...		
	TOTAL, SOUTHERN DIVISION ...	18 2,640	.....	18 2,640	.....	...		
	TOTAL 5.—ROADS, CLEARED, PARTIALLY BRIDGED AND DRAINED ...	18 2,640	.....	18 2,640	.....	...		
	6.—ROADS, CLEARED ONLY.							
	NORTHERN DIVISION.							
Ahmedabad ...	Road from Sádra to Prántij	.....	7 2,640	7 2,640	591	980		
	Road from Dholera to Dhandhuka... ...	17 0	.....	17 0	12	...		In progress,
	Total, Ahmedabad District ...	17 0	7 2,640	24 2,640	.....	...		
	Carried over ...	3,870 4,462	142 1,701	4,013 883	.....	...		
	Total over Totals of 1-A, 1-B and 2-A, 2-B, 3, 4 and 5	3,853 4,462	134 4,341	3,988 3,523	.....	...		

LOCAL FUND ROADS—*continued.*

Executive Districts.	Classification and names of Roads.	Length in Miles. Completed.	In progress.	Total.	Average total cost of construction per mile.	Average annual cost of maintenance and repairs in the last five years.	Remarks.
		Ms. ft.	Ms. ft.	Ms. ft.	Rs.	Rs.	
	Brought forward ...	3,853 4,462	134 4,341	3,988 3,523	.....	...	
		3,870 4,462	142 1,701	4,013 883	.....	...	
	6.—ROADS, CLEARED ONLY—*concluded.*						
	NORTHERN DIVISION—*concluded.*						
Kaira and Panch Mahals.	Road from Godhra to Páli	16 0	.....	16 0	182	269	
	Road from Páli to Bálásinor	8 1,320	.....	8 1,320	Not known...	415	Only half mile is metalled and the rest is a cleared track.
	Total, Kaira and Panch Mahals District ...	24 1,320	.....	24 1,320	.....	...	
Thána	Kasar-Ghát Road	4 0	.....	4 0	Unknown ...	419	
	Total, Thána District ...	4 0	.....	4 0	.....	...	
	TOTAL, NORTHERN DIVISION ...	45 1,320	7 2,640	52 3,960	.....	...	
	CENTRAL DIVISION.						
Poona ...	Road from Sakalpathar to Bhorcus ...	8 2,640	.....	8 2,640	Unknown ...	295	
	Road from Bhorgiri to Bhimashankar ...	4 2,246	.....	4 2,246	594	195	
	Total, Poona District ...	12 4,886	.....	12 4,886	.....	...	
Ahmednagar ...	Thugaon-Kotul Road	11 0	.....	11 0	Unknown ...	497	
	Total, Ahmednagar District ...	11 0	.....	11 0	.....	...	
Násik District ...	Harsul Thova and Goldari Road	11 0	.....	11 0	993	767	Cleared track and passable for Cart traffic to Goldari beyond incomplete and unused.
	Total, Násik District ...	11 0	.....	11 0	.....	...	
	TOTAL, CENTRAIL DIVISION ...	34 4,886	.....	34 4,886	.....	...	
	TOTAL, 6.—ROADS, CLEARED ONLY ...	80 926	7 2,640	87 3,566	.....	...	
	Totals of 1-A, 1-B, 2-A, 2-B, 3, 4, 5 and 6 ...	3,934 108	142 1,701	4,076 1,809	.....	...	
	GRAND TOTAL FOR LOCAL ROADS ...	3,934 108	142 1,701	4,076 1,809	.....	...	

ABSTRACT OF LOCAL FUND ROADS IN CHARGE OF THE PUBLIC WORKS DEPARTMENT.

Classification and names of roads.	Length in miles.				Total.
	Completed.		In progress.		
	A.—Bridged and drained throughout.	B.—Partially bridged and drained.	A.—Bridged and drained throughout.	B.—Partially bridged and drained.	
	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.
1.—Metalled Roads.					
Northern Division	362 3,156	218 3,488	11 180	4 4,400	597 664
Southern do.	94 1,559	71 1,320	...	5 660	170 3,539
Central do.	17 220	144 3,960	1 2,640	...	163 1,540
Aden do.	...	.....	...	...	.....
Indus Right Bank Division ...	...	.....	...	...	.....
Indus Left Bank do. ...	...	.....	...	...	.....
Total ...	473 4,935	434 3,488	12 2,820	9 5,060	931 463
2.—Unmetalled Roads.					
Northern Division	90 2,640	114 5,095	...	4 4,440	210 1,615
Southern do.	97 5,175	887 3,655	...	62 2,581	1,048 851
Central do.	12 4,872	1,056 136	...	45 0	1,113 5,008
Aden do.	...	.....	...	...	.....
Indus Right Bank Division ..	...	.....	...	...	.....
Indus Left Bank do. ...	...	.....	...	...	.....
Total ...	201 2,127	2,058 3,603	...	112 1,741	2,372 2,104
Total, A and B ...	3,168	3,596	134	4,341	3,303 2,657
	Completed.		In progress.		
3.—Roads, banked and surfaced with murum or similar material but not bridged.	Ms. ft.		Ms. ft.		
Northern Division	.....		.....		.....
Southern do.	79 0		.....		79 0
Central do.	367 2,692		.....		367 2,692
Aden do.	.....		.....		.....
Indus Right Bank Division ...	.....		.....		.....
Indus Left Bank do. ...	.....		.....		.....
Total ...	446 2,692		.....		446 2,692
4.—Roads, banked, but not surfaced, partially bridged and drained.					
Northern Division	8 1,500		.....		8 1,800
Southern do.	211 4,594		.....		211 4,594
Central do.	.....		.....		.....
Aden do.	.....		.....		.....
Indus Right Bank Division ...	.....		.....		.....
Indus Left Bank do. ...	.....		.....		.....
Total ...	220 814		.....		220 814
Carried over Totals, 1, 2, 3 and 4	3,835 1,822		134 4,341		3,970 883

Classification and names of roads.	Length in miles.				Total.	
	Completed.		In progress.			
	Ms.	ft.	Ms.	ft.	Ms.	ft.
Carried over ...	3,835	1,822	134	4,341	3,970	883
5.—*Roads, cleared, partially bridged and drained.*						
Northern Division	.....		.....		... ..	
Southern do.	18	2,640	.....		18	2,640
Central do.	.....		.....		.....	
Aden do.	.....		.....		.....	
Indus Right Bank Division ...	.....		.....		.....	
Indus Left Bank do. ...	.....		.....		.....	
Total ...	3,853	4,462	134	4,341	3,988	3,523
6.—*Roads, cleared only.*						
Northern Division	45	1,320	7	2,640	52	3,960
Southern do.	.....		.....		.....	
Central do.	34	4,886	.....		34	4,886
Aden do.	.....		.....		.....	
Indus Right Bank Division ...	.....		.....		.....	
Indus Left Bank do. ...	.....		.....		.....	
Total ...	80	926	7	2,640	87	3,566
Grand Total of 1, 2, 3, 4, 5 and 6	3,934	108	142	1,701	4,076	1,809

Note.—The Local Fund Roads in Sind are all in the charge of Civil Officers, not the Public Works Department.

APPENDIX E.

TO THE ADMINISTRATION REPORT OF CIVIL WORKS FOR THE YEAR 1898-99.

LIBRARY OF THE BOMBAY BRANCH OF THE ROYAL ASIATIC SOCIETY

Statement showing the Progress made in the Demarcation of roads under Public Works Agency during the year 1898-99.

Imperial Military. 2.—Unmetalled Roads. B.—Partially Bridged and Drained.

Executive Districts.	Names of Roads.	Length of Road.	Number of Miles of Roads demarcated.			Number of Miles of Roads to be demarcated.	Remarks.
			Up to 31st March 1898.	In 1898-99.	Total.		
		Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	
	CENTRAL DIVISION.						
	Roads to Hill Station and Lines of Military communications.						
	Road between Sásvad and Purandhar	5 4,435	5 3,960	.....	5 3,960	0 475	
	General Cantonment Works.						
Poona District.	Cantonment Roads at Sirúr ...	7 0	.....	.....	.....	7 0	
	Do. at Khandála ...	4 2,640	.....	.....	.....	4 2,640	
	Do. at Purandhar ...	12 297	.....	.....	.....	12 297	
	Total, Poona District ...	29 2,092	5 3,960	.....	5 3,960	23 3,412	
	Total, Central Division ...	29 2,092	5 3,960	.....	5 3,960	23 3,412	
	Total, 2 B—Unmetalled Imperial Military Roads	29 2,092	5 3,960	.....	5 3,960	23 3,412	

Imperial Civil. 1.—Metalled Roads. A.—Bridged and Drained throughout.

	NORTHERN DIVISION.						
Surat & Broach	Road from Dongri Railway Station to Dhárásna Salt Pans	3 0	3 0	.....	3 0	.....	
	Total, Surat and Broach District...	3 0	3 0	.....	3 0	.....	
Thána ...	Road from Umele to Pápdi ...	1 3,425	1 0	.....	1 0	0 3,425	
	Total, Thána District ...	1 3,425	1 0	.....	1 0	0 3,425	
	Total, Northern Division ...	4 3,425	4 0	.....	4 0	0 3,425	
	Total of 1 A.—Metalled Imperial Civil Roads	4 3,425	4 0	.....	4 0	0 3,425	

I.—Metalled Roads. A—Bridged and Drained throughout—continued.

	NORTHERN DIVISION.										
Ahmedabad	Extra Municipal Roads, Ahmedabad.	4	2,090	4	2,090	.....		4	2,090	.....	
	Road from foot of overbridge approaches near the Kálupur Gate to junction with road to Camp Ahmedabad	1	3,000	1	3,000	.....		1	3,000	.....	
	Road from Modása to Bibipura ...	18	0	18	0	.....		18	0	.....	
	Road from Dhansura to Harsol ...	13	0	13	0	.....		13	0	.....	
	Road from Harsol to Talod Railway Station	5	2,397	.....		.....		.....		5	2,397
	Total, Ahmedabad District ...	42	2,207	36	5,090	.....		36	5,090	5	2,397
Surat and Broach.	Road from Billimora to Chikhli in Gáikwár's Territory	3	2,640	3	2,640	.....		3	2,640	.....	
	Total, Surat and Broach District ...	3	2,640	3	2,640	.....		3	2,640	.....	
Kaira and Panch Mahals.	Road from Kapadvanj to Bibipura, including a branch to Ladvel ...	33	0	33	0	.....		33	0	.....	
	Limkheda and Jhálod Road (Provincial portion)	11	0	9	2,640	1	2,640	11	0	.....	
	Total, Kaira and Panch Mahals ...	44	0	42	2,640	1	2,640	44	0	.....	
Thána ...	Road from Ulwa to Campuli ...	13	2,640	11	1,320	.....		11	1,320	2	1,320
	Road from Dharamtar to Campuli...	3	2,640	3	2,640	.....		3	2,640	.....	
	Road from Thána to Panvel ...	10	2,640	.....		.....		.....		10	2,640
	Esplanade Roads, Thána ...	1	4,637	.....		.....		.....		1	4,637
	Total, Thána District ...	29	1,997	14	3,960	.....		14	3,960	14	3,317
	TOTAL, NORTHERN DIVISION ...	119	1,564	97	3,770	1	2,640	99	1,130	20	434
	Carried over ...	119	1,564	97	3,770	1	2,640	99	1,130	20	434

PROVINCIAL ROADS—*continued.*

I.—Metalled Roads. A.—Bridged and Drained throughout—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	119	1,564	97	3,770	1	2,640	99	1,130	20	434	
	CENTRAL DIVISION.											
Poona District	Road from Dapuri to the foot of the Bhor Ghát (Poona-Bombay Road)...	42	0	42	0	.....		42	0	.....		Demarcated by boundary and furlong stones.
	Approach road to Deccan Central Jail, Yerrowda	1	1,320	1	1,320	.....		1	1,320	.....		Do. do.
	Road from Poona to Shirval (new Sátára Road)	26	2,112	26	2,112	.....		26	2,112	.....		Practically the whole road was previously demarcated.
	Roads within Suburban Municipality.	12	4,477	12	4,477	.....		12	4,477	.....		
	Roads within City Municipality ...	1	1,080	1	1,080	.....		1	1,080	.....		Demarcated by boundary and furlong stones.
	Roads not included within the Cantonment or Municipal areas ...	10	113	10	113	.....		10	113	.....		
	Total, Poona District ...	93	3,822	93	3,822	.....		93	3,822	.....		
Sholápur ...	Bársi Station, Bársi Town (portion on south side)	21	0	.....		21	0	21	0	.....		
	Cantonment roads at Sholápur ...	4	2,640	4	2,640	.....		4	2,640	.....		Demarcated with stones.
	Total, Sholápur District ...	25	2,640	4	2,640	21	0	25	2,640	.....		
Násik ...	Málegaon-Manmád Road ...	21	0	21	0	.....		21	0	.....		
	Bombay-Agra Road	111	2,640	56	2,640	55	0	111	2,640	.....		
	Nándgaon-Aurangabad Road ...	11	3,300	8	3,960	2	4,620	11	3,300	.....		
	Manmád and Kopargaon Road ...	20	3,300	8	3,960	11	4,620	20	3,300	.....		
	Total, Násik District ...	164	3,960	95	0	69	3,960	164	3,960	.....		

Khándesh ...	Bombay-Agra Road	86	0	86	0	.....		86	0	.....	
	Dhulia-Chálisgaon Road ...	34	0	34	0	.....		34	0	.....	
	Total, Khándesh District ...	120	0	120	0	.....		120	0	.....	
	TOTAL, CENTRAL DIVISION ...	403	5,142	313	1,182	90	3,960	403	5,142	.....	
	SOUTHERN DIVISION.										
Belgaum ...	Road from Poona to Bangalore— Section from the Várna to the Dudhganga River	28	0	28	0	.....		28	0	.....	
	Section from the Dudhganga to the Dhárwár Frontier	90	0	85	0	.....		85	0	5	0
	Road from Belgaum to Vengurla— Section from Belgaum to Amboli at the head of the Parpoli Ghát ...	43	0	30	0	.....		30	0	13	0
	Road from Belgaum to Bágalkot— Section from Belgaum to Korkop...	43	0	34	1,320	.....		34	1,320	8	3,960
	Krishna Bridge Roads ...	3	1,980	3	1,980	.....		3	1,980	.....	
	Total, Belgaum District ..	207	1,980	180	3,300	.....		180	3,300	26	3,960
Dhárwár ...	Poona-Bangalore Road from Dhárwár District—boundary in mile No. 246 to Haribar	106	3,900	106	3,900	.....		106	3,900	.....	
	Kárwár-Bellary Road— Section from Sangtikop to Hubli...	27	3,300	27	3,300	.....		27	3,300	.....	
	Section from Gadag to Hesrur on the Bellary Frontier ...	29	0	29	0	.....		29	0	.....	
	Karur Railway Station Road ...	0	2,990	0	2,990	.....		0	2,990	.....	
	Baralkod do. ...	0	900	0	900	.....		0	900	.....	
	Nagargalli do. ...	0	2,877	0	2,877	.....		0	2,877	.....	
	Carried over ...	164	3,407	164	3,407	.....		164	3,407	.....	
		730	3,406	591	2,972	92	1,320	683	4,292	46	4,394

Completed, excepting 5 miles which do not require demarcation as they pass through Government or State Forests.

Completed, excepting 13 miles which do not require demarcation as they pass through Government or State Forests.

The length remaining to be demarcated is in the Sángli State and not in charge of this Department.

PROVINCIAL ROADS—*continued.*

I.—Metalled Roads. A.—Bridged and drained throughout—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft	
	Brought forward ...	730	3,406	591	2,972	92	1,320	683	4,292	46	4,394	
		164	3,407	164	3,407	.....		164	3,407	.....		
	SOUTHERN DIVISION—*continued.*											
Dhárwár—*continued.*	Mugad Railway Station Road ...	0	600	0	600	.....		0	600	.....		
	Dhárwár do. ...	0	4,900	0	4,900	.....		0	4,900	.....		
	Dundur do. ..	1	660	1	660	.....		1	660	.....		
	Hulkoti do. ...	0	3,300	0	3,300	.....		0	3,300	.....		
	Hubli-Kumta Road from Trimalkop on the Poona-Bangalore Road to Wadgatti on the Dhárwár Frontier.	9	1,980	7	1,980	2	0	9	1,980	.....		
	Total, Dhárwár District ...	176	4,287	174	4,287	2	0	176	4,287	.....		
Ratnágiri and Kolába.	Road from Karád to Chiplun—											
	Section from Kumbharli Ghát to Chiplún	14	1,664	14	1,664	.....		14	1,664	.....		
	Road from Ratnágiri to Ambaghát—											
	Section over Ambaghát ...	9	1,760	7	1,760	.....		7	1,760	2	0	
	Road from Mahapral to Shirwal—											
	Section from Mahapral on the Bánkoti River to Bhor State boundary	30	0	15	3,960	14	1,320	30	0	.....		
	Road from Alibág to Campoli *viâ* Dharamtar—											
	Section from Dharamtar to Campoli	20	660	20	660	.....		20	660	.....		
	Road from Bombay to Poona—											
	Section from Ulwa to Chowk ...	16	0	16	0	.....		16	0	.....		

	Roads near Panvel—											
	Section from Panvel to Uran ...	9	1,320	9	1,320	.....		9	1,320	.....		
	Do. from Panvel to Jessai ..	6	3,300	6	3,300	.....		6	3,300	.....		
	Belgaum-Vengorla Road—											
	Section from Amboli to Vengorla .	35	0	.....		.....		.....		35	0	
	Total, Ratnágiri and Kolába District.	140	3,424	89	2,104	14	1,320	103	3,424	37	0	
	Road from Sangtikop to Kárwár *vid* Arbail Ghát	74	3,960	18	5,252	.....		18	5,252	55	3,988	55 miles 3,988 feet are not required to be demarcated as they run through Government Forests.
	Road from Kárwár to Kodibag ...	2	2,640	1	4,839	.....		1	4,839	0	3,081	3,081 feet do. do.
Kánara ...	Road from Haliyál to Belgaum frontier up to Linganmath ...	9	0	8	970	.....		8	970	0	4,310	4,310 feet do. do.
	Road from Koney to the Kodibag Road *vid* Jail at Kárwár ...	1	2,490	0	2,640	.....		0	2,640	0	5,130	5,130 feet do. do.
	Road from Junction of Udlur deviation near Balleguli to Ankola ...	3	3,960	2	210	.....		2	210	1	3,750	1 mile 3,750 feet do.
	Road from Haliyál to Mavinkop ...	4	2,640	2	1,620	.....		2	1,620	2	1,020	2 miles 1,020 feet do.
	Total, Kánara District ...	95	5,130	33	4,971	.....		33	4,971	62	159	
	Surul-Mahábaleshvar Road ...	26	2,640	24	0	.....		24	0	2	2,640	
	Road from Karád to Chiplun—											
	Section from Karád to the foot of the Kumbhárli Ghát ...	46	0	42	0	.....		42	0	4	0	
Sátára ...	Road from Sátára to Shendra ...	4	0	3	0	.....		3	0	1	0	
	Poona-Bangalore Road—											
	Section from Nira River to Warna.	100	0	16	0	.....		16	0	84	0	
	Mahapral to Pandharpur—											
	Section from Shirwál to Lonand ...	18	0	2	0	.....		2	0	16	0	
	Karád-Bijápur Road—											
	Section from Karád to Náguz ...	59	0	59	0	.....		59	0	.....		
	Total, Sátára District ...	253	2,640	146	0	.....		146	0	107	2,640	
	Carried over ...	1,397	3,047	1,035	3,774	108	2,640	1,144	1,134	253	1,913	

PROVINCIAL ROADS—*continued.*

I.—Metalled Roads. A.—Bridged and Drained throughout—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	1,397	3,047	1,035	3,774	108	2,640	1,144	1,134	253	1,913	
	SOUTHERN DIVISION—*concluded.*											
Bijápur ...	Road from Belgaum to Bágalkot—Section from Kajidoni to Bágalkot.	18	1,980	18	1,980	.....		18	1,980	.....		
	Total, Bijápur District ...	18	1,980	18	1,980	.....		18	1,980	.....		
	Total, Southern Division ...	892	3,601	643	802	16	1,320	659	2,122	233	1,479	
	INDUS RIGHT BANK DIVISION.											
Western Nára...	Bagotora Road	5	0	5	0	.....		5	0	.....		
	Total, Western Nára ...	5	0	5	0	.....		5	0	.....		
	Total Indus Right Bank Division ...	5	0	5	0	.....		5	0	.....		
	ADEN.											
Aden ...	Shaik Othman Road from Barrier Gate at Isthmus to Cantonment boundary	2	4,044	2	4,044	.....		2	4,044	.....		
	Branch Road from mileage O. C. 140 on Shaik Othman Road to Khor..	1	2,919	1	2,919	.....		1	2,919	.....		
	TOTAL, ADEN DISTRICT ...	4	1,683	4	1,683	.....		4	1,683	.....		
	TOTAL (I) METALLED ROADS.											
	A.—BRIDGED AND DRAINED THROUGHOUT	1,425	1,430	1,063	2,157	108	2,640	1,171	4,797	253	1,913	

	NORTHERN DIVISION.												
Thána ...	Road from Neral to Mátherán ...	7	2,640	6	0	.....	6	0	1	2,640			
	Bombay-Agra Road portion from Kurla to Kására	*65	2,640	30	0	.....	30	0	35	2,640	* In addition to this 2 miles of the road are in charge of the Thána Municipality and half a mile over the creek at Kolsett.		
	Road from Dáhánu to Jawhár ...	27	0	27	0	.....	†27	0	.....		† Six miles have been demarcated with stones.		
	Sátawli Khind Road...	2	0	2	0	.....	2	0	.....				
	Total, Thána District ...	102	0	65	0	.....	65	0	37	0			
	Total, Northern Division ...	102	0	65	0	.....	65	0	37	0			
	SOUTHERN DIVISION.												
Belgaum ...	Road from Khánápur to Yellápur—Section from Khánápur to Linganmath	22	0	22	0	.....	22	0	.....				
	Total, Belgaum District ...	22	0	22	0	.....	22	0	.....				
Dhárwár ...	Hávanur-Ekambi Road—Section from Hávanur to Sámasgi on Dhárwár Frontier... ...	50	1,320	50	1,320	.....	50	1,320	.....				
	Total, Dhárwár District ...	50	1,320	50	1,320	.....	50	1,320	.....				
Kánara ...	Road from Ekambi to Sámasgi ...	6	2,640	0	4,700	.....	0	4,700	5	3,220	Out of this 5 miles 3,220 ft. are not required to be demarcated as they run through Government Forests.		
	Road from Palla to Bankápur ...	2	2,640	.....		.....	.....		2	2,640	2 miles 2,640 ft.	do.	do.
	Road from Koney Bridge to Shezwad	2	3,780	2	3,008	.....	2	3,008	0	772	772 ft.	do.	do.
		11	3,780	3	2,428	.....	3	2,428	8	1,352			
	Carried over ...	1,599	2,750	1,200	3,477	108 2,640	1,309	837	290	1,913			
	Carried over Total of 1 (A)...	1,425	1,430	1,063	2,157	108 2,640	1,171	4,797	253	1,913			

PROVINCIAL ROADS—*continued.*

I.—Metalled Roads. B.—Partially Bridged and Drained– continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
		1,425	1,430	1,063	2,157	108	2,640	1,171	4,797	253	1,913	
	Brought forward ...	1,599	2750	1,200	3,477	108	2,640	1,309	837	290	1,913	
		11	3,780	3	2,428	.....		3	2,428	8	1,352	
	Southern Division—*continued.*											
	Road from Katgal to the bank of Tadri River	1	0	0	2,105	.....		0	2,105	0	3,175	Out of this 3175 ft. are not required to be demarcated as they run through Government Forests.
	Road from Dhárwár Frontier near Wadgatti to Kumta, *viâ* Sirsi ...	78	2,640	9	696	.....		9	696	69	1,944	69 miles 1,944 ft. do. do.
	Road from Gersappa to Falls and Talguppa	25	0	0	2,535	.....		0	2,535	24	2,745	24 miles 2,745 ft. do. do.
Kánara ...	Road from Yellápur to Bankápur, *viâ* Mundgod	29	0	3	836	.....		3	836	25	4,444	25 miles 4,444 ft. do. do.
	Road from Sanikatta to Hebal ...	18	0	7	1,345	.....		7	1,345	10	3,935	10 miles 3,935 ft. do. do.
	Road from Haliyál to Supa ...	20	2,640	2	3,635	.....		2	3,635	17	4,285	17 miles 4,285 ft. do. do.
	Road from Sirsi to Shimoga, *viâ* Banvasi	19	1,320	5	4,772	.....		5	4,772	13	1,828	13 miles 1,828 ft. do. do.
	Road from Yellápur to Haliyál ...	27	0	5	4,850	.....		5	4,850	21	430	21 miles 430 feet do. do.
	Total, Kánara District ...	229	5,100	38	2,082	.....		38	2,082	191	3,018	
Sátára ...	Road from Mahábaleshvar to Sátára .	33	0	25	0	.....		25	0	8	0	
	Total, Sátára District ...	33	0	25	0	.....		25	0	8	0	
Bijápur ...	Road from Bijápur to Miraj—Section from Bijápur to Honwad...	24	3,300	23	850	1	0	24	850	0	2,450	
	Total, Bijápur District ...	24	3,300	23	850	1	0	24	850	0	2,450	
	Total, Southern Division ...	359	4,440	158	4,252	1	0	159	4,252	200	188	

	CENTRAL DIVISION.											
Ahmednagar ...	Násik-Poona Road, Section from Nándur-Shingota to Ali Khind ...	37	0	6	0	31	0	37	0	.....		Completed.
	Total, Ahmednagar District ...	37	0	6	0	31	0	37	0	.....		
Poona ...	Road from FitzGerald Bridge, Poona, to Sirur (Poona-Ahmednagar Road)	41	0	41	0	.....		41	0	.....		By boundary and furlong stones.
	Road from St. Patrick's Church, Poona, to 40th mile-stone (Poona-Sholápur Road, Section 1) ...	37	2,640	37	2,640	.....		37	2,640	.....		24 miles by stone boundaries, 13½ by aloe fencing.
	Total, Poona District ...	78	2,640	78	2,640	.....		78	2,640	.....		
Sholápur ...	Bársi-Yedshi Road	20	0	18	0	.....		18	0	2*	0	* This portion is within the Bársi Municipal limits, and will be taken in hand when funds are available. Other portion has been demarcated with stones.
	Yedshi-Tadwála Road	8	0	8	0	.....		8	0	.....		Demarcated with earthen mounds.
	Total, Sholápur District ...	28	0	26	0	.....		26	0	2	0	
Násik ...	Násik-Poona Road	33	0	13	2,640	19	2,640	33	0	.....		
	Satighát Road	5	0	.....		5	0	5	0	.....		
	Satighát-Harsul Road	2	0	.....		.....		.....		2	0	
	Total, Násik District ...	40	0	13	2,640	24	2,640	38	0	2	0	
	TOTAL, CENTRAL DIVISION ...	183	2,640	124	0	55	2,640	179	2,640	4	0	
	Total 1 Metalled Roads. B.—Partially bridged and drained	645	1,800	347	4,252	56	2,640	404	1,612	241	188	

2.—Unmetalled Roads. A.—Bridged and drained throughout.

	NORTHERN DIVISION.											
Surat and Broach.	Road from Párdi to Chival	13	0	13	0	.....		13	0	.....		
	Do. from Daman to Wápi in British Territory	3	2,640	3	2,640	.....		3	2,640	.....		
	Total, Surat and Broach Districts...	16	2,640	16	2,640	.....		16	2,640	.....		
	TOTAL, NORTHERN DIVISION ...	16	2,640	16	2,640	.....		16	2,640	.....		
	Carried over ...	2,087	590	1,427	3,769	165	0	1,592	3,769	494	2,101	
	Carried over Totals of 1 (A) & 1(B)	2,070	3,230	1,411	1,129	165	0	1,576	1,129	494	2,101	

PROVINCIAL ROADS—*continued.*

2.—Unmetalled Roads. A.—Bridged and drained throughout—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	2,070	3,230	1,411	1,129	165	0	1,576	1,129	494	2,101	
		2,087	590	1,427	3,769	165	0	1,592	3,769	494	2,101	
	SOUTHERN DIVISION.											
Dhárwár ...	Road from Dhárwár to Goa— Section from Dhárwár to Tinaighát on the Goa Frontier ...	57	3,600	51	2,315	2	2,965	54	0	3	3,600	
	Kárwár-Bellary Road— Section from Hubli to Gadag ...	34	0	34	0	.....		34	0	.....		
	Total, Dhárwár District ...	91	3,600	85	2,315	2	2,965	88	0	3	3,600	
Ratnágiri and Kolába.	Road from Deogad to Nipáni – Section from Deogad to Dájipur *viá* Phonda	41	1,320	33	0	8	0	41	0	0	1,320	
	Road from Mirya Bay to Ratnágiri .	4	1,700	1	900	0	800	1	1,700	3	0	
	Road from Alibág to Campoli *viá* Dharamtar— Section from Alibág to Dharamtar.	13	0	13	0	.....		13	0	.....		
	Section from Pen to Antora ...	1	3,960	1	3,960	.....		1	3,960	.....		
	Road from Pen to Washi ...	3	2,640	3	2,640	.....		3	2,640	.....		
	Road from Dharamtar to Mahád – Section from Dharamtar to Nágothna	13	2,640	13	2,640	.....		13	2,640	.....		
	Total, Ratnágiri and Kolába Districts	77	1,700	65	4,860	8	800	74	380	3	1,320	
	Total, Southern Division ...	169	20	151	1,895	10	3,765	162	380	6	4,920.	

	CENTRAL DIVISION.										
Násik ...	Nanasighát Road	4	0	0	3,960	3	1,320	4	0	.....	
	Násik-Balsád Road	39	0	3	0	32	0	35	0	4	0
	Total, Násik District ...	43	0	3	3,960	35	1,320	39	0	4	0
Khándesh ...	Roads connecting Government Buildings at Bhusával	1	0	1	0	.....		1	0	.....	
	Jakria-Barighát Road ...	2	2,640	2	2,640	.....		2	2,640	.....	
	Total, Khándesh District ...	3	2,640	3	2,640	.....		3	2,640	.....	
	Total, Central Division ...	46	2,640	7	1,320	35	1,320	42	2,640	4	0
	TOTAL OF 2 (A)—BRIDGED AND DRAINED THROUGHOUT ...	232	20	175	575	45	5,085	221	380	10	4,920
	2.—Unmetalled Roads. B.—Partially bridged and drained.										
	NORTHERN DIVISION.										
Thána ...	Road through Naniwli and Medwan Khinds	11	0	10	0	.....		10	0	1	0
	Road from Váda to Shirghát ...	*31	0	30	0	.....		30	0	1	0
	Road from Khodála to Mokháda ...	14	0	.....		.....		.....		14	0
	Do. Manor to Kase (Medwan to Waroti)	6	2,640	.....		.....		.....		6	2,640
	Total, Thána District ...	62	2,640	40	0	.....		40	0	22	2,640
	TOTAL, NORTHERN DIVISION ...	62	2,640	40	0	.....		40	0	22	2,640
	Carried over ...	2,365	610	1,626	1,704	210	5,085	1,837	1,509	527	4,381
	Carried over Totals of 1 (A), 1 (B) and 2 (A)	2,302	3,250	1,586	1,704	210	5,085	1,797	1,509	505	1,741

* Including 1 mile branch road to Suryámal.

PROVINCIAL ROADS—*continued.*

2.—Unmetalled Roads. B.—Partially bridged and drained—continued.

Executive Districts.	Names of roads.	Length of road.		Number of miles of roads demarcated.						Number of miles of roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	2,302	3,250	1,586	1,704	210	5,085	1,797	1,509	505	1,741	
		2,365	610	1,626	17,04	210	5,085	1,837	1,509	527	4,381	
	SOUTHERN DIVISION.											
Belgaum ...	Road from Belgaum to Kárwár— Section from Belgaum to Shitavda *vid* Khánápur	35	0	14	0	.....		14	0	21	0	Completed excepting 21 miles which do not require demarcation as they run through Government Forests.
	Total, Belgaum District ...	35	0	14	0	.....		14	0	21	0	
Dhárwár ...	Hubli-Sholápur Road— Section from Konur to Hubli ...	40	0	40	0	.....		40	0	.....		
	Anmad-Hemadgi Road from Anmad at the head of the Tinaighát to Hemadgi towards Khánápur ...	6	3,630	6	3,630	.....		6	3,630	.....		
	Gokák-Margund Road	5	1,560	.....		.....		.....		5	1,560	
	Total, Dhárwár District ...	51	5,190	46	3,630	.....		2:46	3,630	5	1,560	

Ratnágiri and Kolába.	Road from Poladpur to Hatkhambe—											
	Section from Poladpur on the Mahád FitzGerald Ghát Road to Hatkhambe on the Ratnágiri-Ambaghát Road	9	4	2,640	6	6	4,690	.....		6	6	4,690	2	7	3,230	
	Road from Viziadurg to Phonda near foot of Phondaghát	4	2	0	2	7	1,980	7	0	3	4	1,980		7	3,300	
	Road from Palli to Kasarde—															
	Section from Palli on the Ratnágiri-Ambaghát Road to Kasarde on the Viziádurga-Phonda Road	5	4	0	4	1	0	1	4,600	4	2	4,600	1	1	680	
	Road from Mahád to Mahábleshvar—															
	Section from Mahád to Kineshwar	1	5	0	1	5	0	.....		1	5	0	.....			
	Road from Dharamtur to Mahád—															
	Section from Nágothna to Mahád.	4	1	0	4	1	0	.....		4	1	0	.....			
	Road from Sangameshwar to Sakharpe	1	9	4,000		6	0	.....			6	0	1	3	4,000	
	Road from Ratnágiri to Ambaghát—															
	Section from Ratnágiri to foot of Ambaghát	3	3	0	1	0	0	.....		1	0	0	2	3	0	
	Road from Harnai to Khed *vid* Dápoli...	2	5	980	1	9	0	.....		1	9	0		6	980	
	Total, Ratnágiri and Kolába District	3	2	4	2,340	2	2	6	1,390	8	4,600	2	3	5	7	1,630
Kánara ...	Road from Sadáshivgad to Goa Frontier		5	2,640		4	3,420	.....		4	3,420		4	5	0	4,500	4,500 feet are not required to be demarcated as they run through Government Forests.
	Road from Shitavde to Kárwár *vid* Kadra and Anshi Ghat		5	2	0		2	2,710	.....		2	2,710		4	9	2,570	49 miles 2,570 feet do.
	Road from Yellápur to Ganeshgudi and Barboli		1	9	0		0	1,710	.....		0	1,710		1	8	3,570	18 „ 3,570 „ do.
	Koney Sea slope Road at Kárwár ...			1	2,844		0	2,470	.....		0	2470			1	374	1 „ 374 „ do.
	Total, Kánara District ...		7	8	2	0	4	7	5,030	.....		7	5,030		7	0	4	5	4	
	Carried over ...	2	8	5	4	3	0	6	4	1	9	2	1	1	9	4	2	1	9	4,405	2	1	4	1	3	1	9	2	7	4	5			
	Totals of 1 (A), 1 (B) & 2 (A) ...	2	3	0	2	3	2	5	0	1	5	8	6	1	7	0	4	2	1	0	5	0	8	5	1	7	9	7	1	5	0	9	5	1	7	4	1

PROVINCIAL ROADS—*continued.*

2.—Unmetalled Roads. B.—Partially bridged and drained.

Executive Districts.	Names of roads.	Length of road.		Number of miles of roads demarcated.						Number of miles of roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	2,302	3,250	1,586	1,704	210	50,85	1,797	1,509	505	1,741	
		2,854	3,064	1,921	1,194	219	4,405	2,241	319	713	2,745	
Bijápur ...	Road from Sholápur to Hubli—Section from Takli on the River Bhima to Konur on the River Malaprabha	115	2,640	82	330	11	2,310	93	2,640	22	0	
	Road from Karád to Bijápur—Section from Nagaz to Tikota ...	14	2,640	14	2,640	.....		14	2,640	.....		
	Total, Bijápur District ..	130	0	96	2,970	11	2,310	108	0	22	0	
	Total, Southern Division ...	619	2,454	391	2,460	20	1,630	411	4,090	207	3,644	
	CENTRAL DIVISION.											
Poona ...	Poona-Sholápur Road, 40 to 90 mile (Sections II and III)	50	0	50	0	.....		50	0	.....		41 miles by stone boundaries and 9 miles by aloe fencing.
	Road from Dapuri to 59 mile stone (Poona-Násik Road)	53	0	53	0	.....		53	0	.....		By boundaries and furlong stones.
	Total, Poona District ...	103	0	103	0	.....		103	0	.....		

Sholápur ...	Poona-Hyderabad Road from River Bhima to Tandulvádi ...	75	0	75	0	.....		75	0	.....		Demarcated with stones.
	Sholápur-Bijapur Road, from Sholápur to Takli	20	0	20	0	.....		20	0	.....		
	Kuslumb-Yermala Road ...	8	0	8	0	.....		8	0	.....		
	Total, Sholápur District ...	103	0	103	0	.....		103	0	.....		
Ahmednagar ...	Ahmednagar-Málegaon Road ...	35	1,760	10	3,905	24	3,135	35	1,760	.....		
	Total, Ahmednagar District ...	35	1,760	10	3,905	24	3,135	35	1,760	.....		
Khándesh ...	Dhulia-Surat Road	86	0	44	0	.....		44	0	42	0	
	Neri-Ajanta Road	16	1,320	16	1,320	.....		16	1,320	.....		
	Total, Khándesh District ...	102	1,320	60	1,320	.....		60	1,320	42	0	
	Total, Central Division ...	343	3,080	276	5,225	24	3,135	301	3,080	42	0	
	Total of 2 (B) Partially Bridged and Drained	1,025	2,894	708	2,405	44	4,765	753	1,890	272	1,004	
	Carried over ...	3,328	864	2,294	4,109	255	4,570	2,550	3,399	777	2,745	
	Totals of 1 (A), 1 (B), 2 (A) and 2 (B)	3,323	864	2,294	4,109	255	4,570	2,550	3,399	777	2,745	

PROVINCIAL ROADS—*continued.*

4.—Roads banked but not surfaced, partially bridged and drained.

Executive Districts.	Names of roads.	Length of road.	Number of miles of roads demarcated.				Number of miles of roads to be demarcated.		Remarks.
			Up to 31st March 1898.		In 1898-99.		Total.		
		Ms. ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms. ft.	
	Brought forward ...	3,328 864	2,294	4,109	255	4,570	2,550	3,399	777 2,745	
		3,328 864	2,294	4,109	255	4,570	2,550	3,399	777 2,745	
	NORTHERN DIVISION.									
Ahmedábád ...	Road from Ahmedábád to Hársol (British portion)	23 0	23	0	.....		23	0	.....	
	Total, Ahmedábád District ...	23 0	23	0	.....		23	0	.....	
	TOTAL, NORTHERN DIVISION ...	23 0	23	0	.....		23	0	.....	
	SOUTHERN DIVISION.									
Kánara ...	Road from Karka to Shamzoda ...	19 0	0	3,800	.....		0	3,800	13 1,480	18 miles and 1,480 feet are not required to be demarcated as they run through Government Forests.
	Hill Road from the junction of Wharf road to the English Church at Kárwár	0 1,954	.....		.....		.....		0 1,954	This road was transferred by the Municipality in 1898-99.
	Total, Kánara District ...	19 1,954	0	3,800	.....		0	3,800	18 3,434	
	TOTAL, SOUTHERN DIVISION ...	19 1,954	0	3,800	.....		0	3,800	18 3,434	
	TOTAL, (4) ROADS BANKED BUT NOT SURFACED, PARTIALLY BRIDGED AND DRAINED	42 1,954	23	3,800	.....		23	3,800	18 3,434	

	CENTRAL DIVISION.											
Násik ...	Karanjali-Harsul Road	18	0	3	0	.....		3	0	15	0	
	Total, Násik District ...	18	0	3	0	.....		3	0	15	0	
Ahmednagar ...	Málegaon-Ambit Road	11	0	2	0	9	0	11	0	.....		Completed.
	Total, Ahmednagar District ...	11	0	2	0	9	0	11	0	.....		
	Total, Central Division ...	29	0	5	0	9	0	14	0	15	0	
	INDUS RIGHT BANK DIVISION.											
Begári Canals...	Road from Jacobabad to Khaira Garhi	32	2,640	32	2,640	.....		32	2,640	.....		
	TOTAL, INDUS RIGHT BANK DIVISION.	32	2,640	32	2,640	.....		32	2,640	.....		
	Carried over ...	3,432	178	2,355	5,269	264	4,570	2,620	4,559	811	899	
	TOTALS OF 1 (A), 1 (B), 2 (A), 2 (B), AND 4	3,370	2,818	2,318	2,629	255	4,570	2,574	1,919	796	899	

PROVINCIAL ROADS—*concluded*.

6.—Roads, Cleared only—concluded.

Executive Districts.	Names of Roads.	Length of Road.	Number of Miles of Roads demarcated.			Number of Miles of Roads to be demarcated.	Remarks.
			Up to 31st March 1898.	In 1898-99.	Total.		
		Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	
	Brought forward ...	3,370 2,818	2,318 2,629	255 4,570	2,574 1,919	796 899	
		3,432 178	2,355 5,269	264 4,570	2,620 4,559	811 899	
	SOUTHERN DIVISION.						
Kánara ...	Kundal Ghát approach... ...	9 0	.....	.....	.....	9 0	These are not required to be demarcated as they run through Government Forests.
	Dhokerpa Ghát do.	7 2,640	.....	.....	.....	7 2,640	
	Kuveshi Ghát do.	11 0	.....	.....	.....	11 0	
	Diggy Ghát do.	20 2,640	.....	.....	.....	20 2,640	
	Total, Kánara District ...	48 0	.....	.....	.....	48 0	
	Total, Southern Division ...	48 0	.....	.....	.....	48 0	
	TOTAL, 6 ROADS, CLEARED ONLY ...	109 2,640	37 2,640	9 0	46 2,640	63 0	
	TOTALS OF 1 (A), 1 (B), 2 (A), 2 (B), 4 AND 6	3,480 178	2,355 5,269	264 4,570	2,620 4,559	895 899	
	GRAND TOTAL, PROVINCIAL ROADS	3,480 178	2,355 5,269	264 4,570	2,620 4,559	859 899	

LOCAL FUND ROADS.

Local. *I.—Metalled Roads.* *A.—Bridged and Drained throughout.*

	NORTHERN DIVISION.											
Ahmedabad...	Road connecting the Asarwa yard with metalled road to Daryapur gate.	0	3,300	.....		.....		.....		0	3,300	
	Ahmedabad to Bareja Road ...	11	0	11	0	.....		11	0	.....		
	Road from Bowla to near Sábarmati Railway Station, Ahmedabad ...	24	0	24	0	.....		24	0	.....		
	Road from Sarkhej to Sánand ...	9	0	9	0	.....		9	0	.....		
	Road from Sánand Town to the *Sánand Railway Station* ...	2	2,640	2	2,640	.....		2	2,640	.....		
	Road from Ahmedabad to Dholka up to mile No. 8	8	0	8	0	.....		8	0	.....		
	Road from Astodia to Shahalum and thence to Chandola Tank and a branch from Shahalum to Kankeria.	2	2,700	0	4,300	1	3,680	2	2,700	.....		
	Total, Ahmedabad District ...	57	3,360	55	1,660	1	3,680	57	60	0	3,300	
Kaira and Panch Maháls.	Kaira and Mehmadabad Road, including branches	11	1,320	11	1,320	.....		11	1,320	.....		
	Kaira and Sábarmati Road, including branches	14	3,960	14	3,960	.....		14	3,960	.....		
	Nadiád and Vásna Road, including branches	18	2,640	18	2,640	.....		18	2,640	.....		
	Barejri and Náika Road, Kaira Section	9	2,640	9	2,640	.....		9	2,640	.....		Clearly demarcated by survey pillar and water channels.
	Do. do. Ahmedabad Section.	4	3,960	4	3,960	.....		4	3,960	.....		
	Petlád and Cambay Road (British portion)	6	0	6	0	.....		6	0	.....		Demarcated by the Survey Department.
	Nadiád and Kapadvanj Road ..	27	0	27	0	.....		27	0	.....		
	Dákor and Kapadvanj Road ...	20	0	20	0	.....		20	0	.....		
	Vásad and Borsad Road	11	1,320	11	1,320	.....		11	1,320	.....		
	Limkheda-Jhálod Road (British portion)	14	2,640	12	0	2	2,640	14	2,640	.....		
	Godhra and Dohad Road (British portion)	24	0	21	2,640	2	2,640	24	0	.....		
	Total, Kaira and Panch Maháls District	161	2,640	156	2,640	5	0	161	2,640	.....		
	Carried over ...	219	720	211	4,300	6	3,680	218	2,700	0	3,300	

LOCAL FUND ROADS—*continued.*

I.—Metalled Roads. A.—Bridged and Drained throughout—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	219	720	211	4,300	6	3,680	218	2,700	0	3,300	
	Northern Division—*continued.*											
Surat and Broach.	Road from Derol to Vágra... ...	2	0	.....		.....		.....		2	0	
	Do. Olpád to Sahol	9	650	.....		.....		.....		9	650	
	Palej Bazár Road	0	600	.....		.....		.....		0	600	
	Road from Bárdoli to Surbhán ...	5	1,320	5	1,320	.....		5	1,320	.....		
	Road from Broach to Jambusar ...	29	0	29	0	.....		29	0	.....		
	Road from Anklesvar to Hánsot ...	13	2,640	13	2,640	.....		13	2,640	.....		
	Road from Anklesvar to Bore Bhátha	3	0	3	0	.....		3	0	.....		
	Road from Surat to Sachin ...	*7	2,640	*7	2,640	.....		7	2,640	.....		* 3½ miles in British territory.
	Road from Sachin to Lajpur ...	3	0	3	0	.....		3	0	.....		4 Do. Sachin State.
	Road from Kim to Mándvi	27	0	27	0	.....		27	0	.....		
	Road from Surat to Bárdoli ...	5	1,320	5	1,320	.....		5	1,320	.....		
	Road from Billimora to Chikhli, British territory	2	2,640	2	2,640	.....		2	2,640	.....		
	Road from Broach to Dehegam ..	2	0	.....		.....		.....		2	0	
	Road from Sahol to Iláo	1	2,640	.....		.....		.....		1	2,640	
	Total, Surat and Broach Districts .	110	3,890	96	0	.....		96	0	14	3,890	
Thána ...	Road from Chowk to Karjat ...	†6	0	6	0	.....		6	0	.....		† Demarcated with stones.
	Road from Bándra to Ghodbandar...	‡18	1,320	18	0	.....		18	0	0	1,320	‡ 10 miles demarcated with stones in 1897-98.
	Road from Sanján Railway Station to Bandar	§2	2,640	.....		.....		.....		2	2,640	Miles. feet. §1 3,960 demarcated with stones.
	Road from Dáhánu Railway Station to Pawada Creek	1	1,320	.....		.....		.....		1	1,320	1 1,320 do. do.
	Road from Bhiwndi to Kone ...	5	0	2	2,640	.....		2	2,640	2	2,640	5 miles demarcated with stones.

	Road from Sion to Trombay ...	6	0	1	3,960	.....		1	3,960	4	1,320			
	Road from Ghátcoper to Máhul ...	6	0	2	3,960	.....		2	3,960	3	1,320			
	Road from Verár to Agáshi ...	3	2,640	.....		.....		.....		3	2,640			
	Pokharan Road	4	1,320	4	1,320	.....		4	1,320	.....				
	Road from Kurla to Versowa ...	7	2,640	7	2,640	.....		7	2,640	.....				
	Road from Sopara to Nila ...	1	1,320	.....		.....		.....		1	1,320	1	1,320	do. do.
	Total, Thána District ...	61	2,640	42	3,960	.....		42	3,960	18	3,960			
	TOTAL, NORTHERN DIVISION ...	391	1,970	350	2,980	6	3,680	357	1,380	34	590			
	SOUTHERN DIVISION.													
Belgaum ...	Road from Sunkeshwar to Hukeri...	9	0	9	0	.....		9	0	.....				
	Total, Belgaum District ...	9	0	9	0	.....		9	0	.....				
Dhárwár ...	Dhárwár-Haliyál-Road between Dhárwár and Mávinkop in Dhárwár Táluka	16	2,640	16	2,640	.....		16	2,640	.....				
	Road from Karajgi to Southern Maratha Railway Station at Karajgi .	3	239	3	239	.....		3	239	.....				
	Motibennur-Byádgi Road ...	3	0	3	0	.....		3	0	.....				
	Total, Dhárwár District ...	22	2,879	22	2,879	.....		22	2,879	.....				
Bijápur ...	Bágalkot-Hungund Road ...	27	2,640	13	3,960	.....		13	3,960	13	3,960			
	Total, Bijápur District ...	27	2,640	13	3,960	.....		13	3,960	13	3,960			
Sátára ...	Sátára-Padali Road	10	0	10	0	.....		10	0	.....				
	Wái-Wáthár Road	18	0	8	0	.....		8	0	10	0			
	Total, Sátára District ...	28	0	18	0	.....		18	0	10	0			
Ratnágiri and Kolába.	Uran-Karanja Road	5	0	2	2,640	.....		2	2,640	2	2,640			
	Total, Ratnágiri and Kolába District.	5	0	2	2,640	.....		2	2,640	2	2,640			
	TOTAL, SOUTHERN DIVISION ...	92	239	65	4,199	.....		65	4,199	26	1,320			
	Carried over ...	483	2,209	416	1,899	6	3,680	423	299	60	1,910			

Local Fund Roads—continued.

1.—Metalled Roads. A.—Bridged and Drained throughout—concluded.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	483	2,209	416	1,899	6	3,680	423	299	60	1,910	
	CENTRAL DIVISION.											
Poona District...	Portion of road from Lakdipul to join Ganesh Khind Road ...	1	220	1	220	.....		1	220	.....		By boundary stones.
	Total, Poona District ...	1	220	1	220	.....		1	220	.....		
Násik ...	Roads in and about Násik ...	2	0	0	2,640	.....		0	2,640	1	2,640	
	Ambegaon-Nánáshi Road ...	1	2,310	.....		.....		.....		1	2,310	
	Total, Násik District ...	3	2,310	0	2,640	.....		0	2,640	2	4,950	
Sholápur ...	Jeur-Karmála Road	11	0	11	0	.....		11	0	.....		Demarcated with stones.
	Total, Sholápur District ...	11	0	11	0	.....		11	0	.....		
Khándesh ...	Chálisgaon Station Road ...	0	4,400	0	4,400	.....		0	4,400	.....		
	Chálisgaon Railway-cross Road ...	0	3,800	0	3,800	.....		0	3,800	.....		
	Station Road at Páchora ...	0	2,000	0	2,000	.....		0	2,000	.....		
	Total, Khándesh District ...	1	4,920	1	4,920	.....		1	4,920	.....		
	TOTAL, CENTRAL DIVISION ...	17	2,170	14	2,500	.....		14	2,500	2	4,950	
	TOTAL (1) ROADS METALLED. A—BRIDGED AND DRAINED THROUGHOUT	500	4,379	430	4,399	6	3,680	437	2,799	63	1,580	

I—Metalled Roads. B—Partially bridged and drained.

		I		B						
	NORTHERN DIVISION.									
Ahmedabad...	Road from Dhandhuka to Ranpur ...	18	0	18	0	.....	18	0	.....	
	Road from Dhandhuka to Gogo (British portion)	30	0	30	0	.....	30	0	.....	
	Total, Ahmedabad District ...	48	0	48	0	.....	48	0	.....	
Kaira and Panch Mahals.	Godhra and Sheta Road ...	14	0	14	0	.....	14	0	.....	
	Total, Kaira and Panch Mahals District ...	14	0	14	0	.....	14	0	.....	
Thána ...	Road from Wevji to Umbergaon ...	4	1,980	.....		.....	.....		4 1,980	Mile feet. 1 1,320 demarcated with stones.
	Road from Kalyán to Málsej Ghát...	35	2,640	35	0	.....	35	0	0 2,640	15·2,640 miles demarcated with stones, including ¼ a mile for branch road to Murbád. (1·2,640 in 1897-98).
	Road from Kurla to Koli Kalian ...	0	1,600	.....		.....	.....		0 1,600	
	Road from Maroli to Anick Chembur.	0	960	.....		.....	.....		0 960	
	Road from Wadowli to Sion Trombay	0	2,800	.....		.....	.....		0 2,800	
	Road from Bhyndar to Utan ...	6	1,320	6	1,320	.....	6	1,320	.....	
	Road from Bhiwndi to Váda ...	25	2,640	25	2,640	.....	25	2,640	.....	3 miles demarcated with stones,
	Chincholi Road	0	1,600	.....		.....	.....		0 1,600	
	Road from Boisar to Chinchne ...	7	2,640	6	3,960	.....	6	3,960	0 3,960	7·2,640 do. do.
	Total, Thána District ...	80	2,340	73	2,604	.....	73	2,640	6 4,980	
	TOTAL, NORTHERN DIVISION ...	142	2,340	135	2,640	.....	135	2,640	6 4,980	
	Carried over ...	643	1,439	566	1,759	6 3,680	573	159	70 1,280	
	Carried over total of I-A ...	500	4,379	430	4,399	6 3,680	437	2,799	63 1,580	

LOCAL FUND ROADS—*continued.*

I.—Metalled Roads. B.—Partially bridged and drained—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	500	4,379	430	4,399	6	3,680	437	2,799	63	1,580	
		643	1,439	566	1,759	6	3,680	573	159	70	1,280	
	SOUTHERN DIVISION.											
Belgaum ...	Road from Saundatti to Dhárwár ...	10	0	10	0	.....		10	0	.....		
	Total, Belgaum District ...	10	0	10	0	.....		10	0	.....		
Dhárwár ...	Dhárwár-Saundatti Road *vid* Aminbhávi between Dhárwár and Hirebelwádi	11	1,320	11	1,320	.....		11	1,320	.....		
	Navalgund-Annigeri Road ...	11	2,640	11	2,640	.....		11	2,640	.....		
	Total, Dhárwár District ...	22	3,960	22	3,960	.....		22	3,960	.....		
Sátára ...	Peth-Sángli Road	20	0	20	0	.....		20	0	.....		
	Tásgaon-Ashta Road	6	0	6	0	.....		6	0	.....		
	Total, Sátára District ...	26	0	26	0	.....		26	0	.....		
Bijápur ...	Guledgudd-Katgeri Road ...	6	2,640	6	2,640	.....		6	2,640	.....		
	Road from Hungund to Ilkal ..	7	3,960	7	3960	.....		7	3,960	.....		
	Total, Bijápur District ...	14	1,320	14	1,320	.....		14	1,320	.....		
	TOTAL, SOUTHERN DIVISION ...	73	0	73	0	.....		73	0	.....		
	CENTRAL DIVISION.											
Poona ...	Road from Junnar to Náráyangaon...	9	0	2	2,640	.....		2	2,640	6	2,640	
	Road from Poona to Alandi ...	9	0	4	3,960	0	1,320	5	0	4	0	The whole by boundary stones.
	Road from Poona to Singhar ...	13	0	8	0	.....		8	0	5	0	By trenches and aloe hedge.
	Road from Poona to Poud ...	17	2,640	17	2,640	.....		17	2,640	.....		

	Total, Poona District ...	48	2,640	32	3,960	0	1,320	33	0	15	2,640
Násik ...	Ghoti-Barighát Road	13	1,320	2	0	.....		2	0	11	1,320
	Násik-Trimbak Road	17	2,640	2	0	.....		2	0	15	2,640
	Total, Násik District ...	30	3,960	4	0	.....		4	0	26	3,960
Khándesh ...	Sávada-Gatha Road	3	0	3	0	.....		3	0	.....	
	Jalgaon-Dharangaon Road ...	19	2,640	15	2,640	4	0	19	2,640	.....	
	Songir-Nandurbár Road ...	44	3,960	44	3,960	.....		44	3,960	.....	
	Chálisgaon-Outram Ghát Road ...	13	1,320	13	1,320	.....		13	1,320	.....	
	Total, Khándesh District ..	80	2,640	76	2,640	4	0	80	2,640	.....	
	TOTAL, CENTRAL DIVISION ...	159	3,960	113	1,320	4	1,320	117	2,640	42	1,320
	TOTAL 1.—B.—PARTIALLY BRIDGED AND DRAINED...	375	1,020	321	3,960	4	1,320	326	0	49	1,020
	2.—Unmetalled Roads. A.—Bridged and drained throughout.										
	NORTHERN DIVISION.										
Thána ...	Road from Saki to Vehar ...	3	0	3	0	.....		3	0	.....	
	Road from Bhándup to Vehar ...	2	2,640	.....		.....		.....		2	2,640
	Total, Thána District ...	5	2,640	3	0	.....		3	0	2	2,640
Kaira and Panch Maháls.	Kálol and Chámpáner Road ...	9	0	9	0	.....		9	0	.....	
	Chámpáner and Jámbughoda Road (British portion)	9	0	9	0	.....		9	0	.....	
	Total, Kaira and Panch Maháls Districts	18	0	18	0	.....		18	0	.....	
	Carried over ...	899	2,759	773	3,079	10	5,000	784	2,779	114	5,240
	Carried over totals of 1-A and 1-B ...	876	119	752	3,079	10	5,000	763	2,779	112	2,600

LOCAL FUND ROADS—*continued.*

2.—Unmetalled Roads. A.—Bridged and drained throughout—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	876	119	752	3,079	10	5,000	763	2,799	112	2,600	
		899	2,759	773	3,079	10	5,000	784	2,799	114	5,240	
	NORTHERN DIVISION—*continued.*											
Surat and Broach.	Road from Bulsár to Dharampor ...	15	2,640	15	2,640	.....		15	2,640	.....		
	Road from Bulsár to Párdi *viâ* Pár River	6	2,640	6	2,640	.....		6	2,640	.....		
	Road from Domas-Kentish Junction Tower to Gavier	4	2,640	4	2,640	.....		4	2,640	.....		
	Road from Ránder to Bhesan ...	2	0	.....		.....		.....		2	0	
	Road from Chikhli to Bánsda ...	10	2,640	10	2,640	.....		10	2,640	.....		
	Road from Ránder to Olpád ...	8	2,640	8	2,640	.....		8	2,640	.....		
	Road from Surat Railway Station to Varachha	3	2,640	3	2,640	.....		3	2,640	.....		
	Road from Kim to Sahol ...	7	0	7	0	.....		7	0	.....		
	Total, Surat and Broach Districts ...	58	0	56	0	.....		56	0	2	0	
	TOTAL, NORTHERN DIVISION ...	81	2,640	77	0	.....		77	0	4	2,640	

	SOUTHERN DIVISION.										
Belgaum ...	Road from Gokák to Hukeri ...	18	2,640	18	2,640	.....		18	2,640	.....	
	Road from Nipáni to Mahálingpur...	53	0	53	0	.....		53	0	.....	
	Total, Belgaum District ..	71	2,640	71	2,640	.....		71	2,640	.....	
Ratnágiri and Kolába.	Road from Alibág to Rewas ...	15	0	15	0	.....		15	0	.....	
	Road over Mutholi Khind (Section of Indápur-Tale Road) ...	2	,655	2	1,655	.....		2	1,655	.....	
	Pen-Panvel Road — Section from Duswi ford to Kali Khind...	3	2,640	3	2,640	.....		3	2,640	.....	
	Section from Kali Khind to Paláspe .	5	3,520	5	3,520	.....		5	3,520	.....	
	Total, Ratnágiri and Kolába District.	26	2,535	26	2,535	.....		26	2,535	.....	
	TOTAL, SOUTHERN DIVISION ..	97	5,175	97	5,175	.....		97	5,175	.....	
	CENTRAL DIVISION.										
Násik	Shelbari Ghát Road	3	0	.....		.....		.....		3	0
	Total, Násik District ...	3	0	.....		.....		.....		3	0
Poona ...	Road from Talegaon to Railway Station	1	1,320	0	2,640	.....		0	2,640	0	3,960
	Road from Loni-Kalbhor to join Sholápur Road	0	412	.....		.....		.....		0	412
	Road from Khandála to Railway Station	0	500	.....		.....		.....		0	500
	Total, Poona District ...	1	2,232	0	2,640	.....		0	2,640	0	4,872
Khándesh ...	Máhiji Station Road...	2	2,640	2	2,640	.....		2	2,640	.....	
	Total, Khándesh District ...	2	2,640	2	2,640	.....		2	2,640	.....	
	TOTAL, CENTRAL DIVISION ...	6	4,872	3	0	.....		3	0	3	4,872
	TOTAL 2-A, BRIDGED AND DRAINED THROUGHOUT..	186	2,127	177	5,175	.....		177	5,175	8	2,232
	Carried over ...	1,062	2,246	930	2,974	10	5,000	941	2,694	120	4,832
	Carried over totals of 1-A, 1-B and 2-A...	1,062	2,246	930	2,974	10	5,000	941	2,694	120	4,832

By trenches and aloe hedge.

LOCAL FUND ROADS—*continued.*

2.—Unmetalled Roads. B.—Partially Bridged and Drained.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	1,062	2,246	930	2,974	10	5,000	941	2,694	120	4,832	
		1,062	2,246	930	2,974	10	5,000	941	2,694	120	4,832	
	NORTHERN DIVISION.											
Thána ...	Road from Ambadi to Wájreshwari	4	4,400	4	0	0	2,640	4	2,640	0	1,760	
	Road from Máhim to Váda ...	*32	0	32	0	.....		32	0	.....		*13 miles demarcated with stones in 1897-98.
	Road from Bassein to Nirmal ...	† 4	0	2	0	.....		2	0	2	0	†In addition to this 1 mile and 2 furlongs of the road are in charge of the Bassein Municipality.
	Road from Kalyán to Dhysar ...	9	0	9	0	.....		9	0	.....		Six miles and 1,980 feet demarcated with stones.
	Road from Málád to Merwa ...	3	2,640	3	2,640	.....		3	2,640	.....		
	Road from Kalwa to Belápur ...	7	0	7	0	.....		7	0	.....		
	Road from Bhándup to Agra Road	0	3,025	.....		.....		.....		0	3,025	
	Road from Govindi to Sion-Trombay	0	3,100	.....		.....		.....		0	3,100	
	Road from Kondivli to Bándora-Ghodbandar Road	0	3,000	0	3,000	.....		0	3,000	.....		
	Road from Thána to Ghodbandar ...	7	2,640	5	2,640	.....		5	2,640	2	0	
	Pawai Village Road...	2	2,350	.....		.....		.....		2	2,350	
	Kondiwti Road	0	2,200	.....		.....		.....		0	2,200	
	Road from Pápdi to Sátavli Khind ...	5	4,620	3	2,640	.....		3	2,640	2	1,980	1 mile 1,320 feet demarcated with stones.
	Total, Thána District ...	78	1,575	67	360	0	2,640	67	3,000	10	3,855	
Kaira and Panch Mahals.	Godhra and Khakeria Road, including branch to Godhra Railway Station.	24	1,320	24	1,320	.....		24	1,320	.....		
	Udváda and Sunth Road	20	0	20	0	.....		20	0	.....		

	Total, Kaira and Panch Mahâls District	44	1,320	44	1,320	.....		44	1,320	.....		
	TOTAL, NORTHERN DIVISION ...	122	2,895	111	1,680	0	2,640	111	4,320	10	3,855	
	CENTRAL DIVISION.											
Poona ...	Road from Hadapsar to Nira Bridge (old Sátára Road)	38	4,224	30	2,640	.....		30	2,640	8	1,584	
	Road from Vadgaon to Shikrápur ...	33	0	12	0	.....		12	0	21	0	1 mile by stone and 11 miles by aloe hedge.
	Road from Pâtas to Pâtas Railway Station	3	1,320	2	0	.....		2	0	1	1,320	
	Road from Bárámati to Khanota ...	21	0	4	4,620	.....		4	4,620	16	660	
	Road from Nira Bridge to Sirúr ...	55	3,960	9	0	.....		9	0	46	3,960	
	Road from Diksál Railway Station to join Sholápur Road ...	1	1,320	1	1,320	.....		1	1,320	.....		By stone and aloe fencing.
	Road from Lonávli to foot of Sakarpathár	3	0	.....		3	0	3	0	.....		
	Road from Loni to Pábal ...	15	0	.....		.....		.....		15	0	
	Road from Indápur to Bárámati ...	31	0	31	0	.....		31	0	.....		By fixing stones.
	Road from village of Mundva to the proposed Railway Station on the G. I. P. line, Hadapsar ...	0	3,692	.....		.....		.....		0	3,692	
	Road from Muncher to Ambegaon...	18	4,100	16	2,640	.....		16	2,640	2	1,460	
	Road from Bárámati to Nirà Station	25	0	25	0	.....		25	0	.....		
	Total, Poona District ...	246	2,776	132	660	3	0	135	660	111	2,116	
	Carried over ...	1,431	2,637	1,174	31	14	2,360	1,188	2,394	242	5,523	
	Carried over totals of 1-A, 1-B and 2-A	1,062	2,246	930	2,974	10	5,000	941	2,694	120	4,832	

LOCAL FUND ROADS—*continued.*

2.—Unmetalled Roads. B.—Partially Bridged and Drained—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	1,062	2,246	930	2,974	10	5,000	941	2,694	120	4,832	
		1,431	2,637	1,174	34	14	2,360	1,188	2,394	242	5,523	
	CENTRAL DIVISION—*continued.*											
Násik ...	Násik-Dindori-Kalvan Road ...	44	0	5	660	.....		5	660	38	4,620	
	Khándesh-Nizám's Frontier Road ...	82	0	3	1,320	.....		3	1,320	78	3,960	
	Násik-Waghad Road	22	0	3	0	.....		3	0	19	0	
	Nánáshighát-Barhe Road ...	11	0	1	0	.....		1	0	10	0	
	Cheraibári Road	1	0	.....		.....		.....		1	0	
	Dholbari-Shelbari Road ...	9	2,640	9	2,640	.....		9	2,640	.....		
	Total, Násik District ...	169	2,640	21	4,620	.....		21	4,620	147	3,300	
Sholápur ...	Bársi Station Pandharpur Road ...	31	0	29	0	.....		29	0	2	0	The demarcation made is, with stones Remaining demarcation will probably be completed in 1899-1900.
	Pandharpur-Janoni Road ...	41	0	.....		.....		.....		41	0	
	Total, Sholápur District ...	72	0	29	0	.....		29	0	43	0	
Ahmednagar ...	Road from Shrigonda to Vadgaon *vid* Pimpri	7	0	7	0	.....		7	0	.....		
	Total, Ahmednagar District ...	7	0	7	0	.....		7	0	.....		

Khándesh ...	Cross-road at Erandol	1	2,640	1	2,640	.....		1	2,640	.....			
	Bhadgaon-Talvada Road ...	9	0	9	0	.....		9	0	.....			
	Duskheda-Anjala Road ...	4	2,640	4	2,640	.....		4	2,640	.....			
	Mhasvad-Dhulia Road	46	0	39	2,640	6	2,640	46	0	.....			
	Erandol-Dharangaon-Chopda Road.	18	3,960	7	1,320	11	2,640	18	3,960	.....			
	Kajgaon-Párola Road	22	660	22	660	.....		22	660	.....			
	Dondaicha-Sháháda Road ...	17	0	17	0	.....		17	0	.....			
	Páchora-Bhadgaon Road ...	8	1,980	8	1,980	.....		8	1,980	.....			
	Junction Road at Bhadgaon ...	1	1,320	1	1,320	.....		1	1,320	.....			
	Dhulia-Amalner Road	18	1,320	18	1,320	.....		18	1,320	.....			
	Jalgaon-Jámner Road	22	0	22	0	.....		22	0	.....			
	Bhusával-Yával Road	10	0	10	0	.....		10	0	.....			
	Bhusával-Jalgaon Road, *vid* Sakegaon	13	0	13	0	.....		13	0	.....			
	Sákri-Pimpalner Road	13	2,640	13	2,640	.....		13	2,640	.....			
	Station Road at Dhulia ...	9	0	.....		9	0	9	0	.....			
	North approach to the river Tápti at Nimgaon	0	2,640	0	2,640	.....		0	2,640	.....			
	South do. do. at Sáwkheda	0	2,640	0	2,640	.....		0	2,640	.....			
	Nimgaon-Chopda Road ...	8	2,640	8	2,640	.....		8	2,640	.....			
	Amalner-Tápti Road	12	0	12	0	.....		12	0	.....			
	Párola-Amalner Road	12	0	12	0	.....		12	0	.....			
	Road from Nandurbár to Táloda ...	14	0	.....		10	2,640	10	2,640	3	2,640		
	Road from Sindkheda to Gorana ...	9	0	.....		9	0	9	0	.....			
	Total, Khándesh District ...	270	3,960	220	3,960	46	2,640	267	1,320	3	2,640		
	TOTAL, CENTRAL DIVISION ...	765	4,096	410	3,960	49	2,640	460	1,320	305	2,776		
	Carried over ...	1,950	3,957	1,452	3,334	60	5,000	1,513	3,054	437	903		
	Carried over Totals of 1-A, 1-B and 2-A	1,062	2,246	930	2,974	10	5,000	941	2,694	120	4,832		

ROYAL ASIATIC SOCIETY LIBRARY OF THE BOMBAY BRANCH

2.—Unmetalled Roads. B.—Partially Bridged and Drained—continued.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	1,062	2,246	930	2,974	10	5,000	941	2,694	120	4,832	
		1,950	3,957	1,452	3,334	60	5,000	1,513	3,054	437	903	
	SOUTHERN DIVISION.											
Belgaum ...	Road from Gokák to Navalgund ...	45	0	45	0	.....		45	0	.....		
	Road from Athni to Kágwad ...	24	0	24	0	.....		24	0	.....		
	Road from Gotur to Tásgaon ...	47	0	47	0	.....		47	0	.....		
	Road from Manoli to Saundatti ...	6	1,320	6	1,320	.....		6	1,320	.....		
	Total, Belgaum District ...	122	1,320	122	1,320	.....		122	1,320	.....		
Dhárwár ...	Harihar-Sámasgi Road	51	1,980	51	1,980	.....		51	1,980	.....		
	Byádgi-Havasbhávi Road	10	3,960	10	3,960	.....		10	3,960	.....		
	Tadas-Gundi Road	34	3,960	34	3,960	.....		34	3,960	.....		
	Masur-Mundargi Road	47	600	47	600	.....		47	600	.....		
	Palla-Bádámi Road	78	1,980	78	1,980	.....		78	1,980	.....		
	Dhárwár-Tadas Road	27	600	27	600	.....		27	600	.....		
	Navalgund-Ron Road	28	0	28	0	.....		28	0	.....		
	Constructing Kotumachgi-Gajendragad Road	20	0	10	0	6	0	16	0	4	0	The remaining length is in Nizám's territory.
	Constructing Ron-Gajendragad Road	16	3,168	13	0	.....		13	0	3	3,168	Do. do.
	Constructing Nargund-Mallápur Road	13	1,675	.....		13	1,675	13	1,675	.....		
	Total, Dhárwár District ...	327	2,083	300	2,520	19	1,675	319	4,195	7	3,168	

Ratnágiri and Kolába.	Road from Salao to Korlai	2	1,760	2	0	.....		2	0	0	1,760	
	Road from Pen to Kharapado ...	7	0	7	0	.....		7	0	.....		
	Road from Alibág to Rewdanda ...	8	3,960	7	3,960	.....		7	3,960	1	0	
	Road from Gubágar to Chikhali ...	8	0	8	0	.....		8	0	.....		
	Road from Kolka to Paláspe ...	2	0	2	0	.....		2	0	.....		
	Total, Ratnágiri and Kolába Districts.	28	440	26	3,960	.....		26	3,960	1	1,760	
Sátára ...	Malhárpeth-Pandharpur Road ...	54	0	17	0	.....		17	0	37	0	
	Karád-Tásgaon Road	35	0	15	0	4	0	19	0	16	0	
	Sátára-Tásgaon Road	64	0	11	2,640	3	0	14	2,640	49	2,640	
	Total, Sátára District ...	153	0	43	2,640	7	0	50	2,640	102	2,640	
Bijápur ...	Sholápur-Belláry Road—Portion from Indi to Támbe. ...	13	0	9	0	1	0	10	0	3	0	
	Bijápur-Sindgi Road...	35	2,640	30	0	1	0	31	0	4	2,640	
	Road from Indi to Indi Road Station.	3	1,760	3	1,760	.....		3	1,760	.....		
	Muddebihál-Chimalgi Road	19	2,640	9	0	.....		9	0	*10	2,640	*Of these 1 0¼ miles have been partially demarcated.
	Road from Kerur to Katgeri Railway Station	9	0	9	0	.....		9	0	.....		
	Do. Bijápur to Indi (portion from Bijápur to Nágthán)	10	0	5	4,620	.....		5	4,620	4	660	
	Bijápur-Bágevádi Road	25	2,640	11	1,320	.....		11	1,320	†14	1,320	†Of these 6 miles have been partially demarcated.
	Almel-Pandharpur Road (portion from Indi to Almel)	18	4,500	2	3,960	3	540	5	4,500	13	0	
	Total, Bijápur District ...	134	3,620	80	1,100	5	540	85	1,640	49	1,980	
	TOTAL, SOUTHERN DIVISION ...	765	2,183	573	980	31	2,215	604	3,195	160	4,268	
	TOTAL, 2—UNMETALLED ROADS. B—PARTIALLY BRIDGED AND DRAINED	1,653	3,894	1,095	1,340	81	2,215	1,176	3,555	477	339	
	Carried over ...	2,716	860	2,025	4,314	92	1,935	2,118	969	597	5,171	
	Carried over Totals of 1-A, 1-B, 2-A and 2-B	2,716	860	2,025	4,314	92	1,935	2,118	969	597	5,171	

LOCAL FUND ROADS—*continued.*

3.—Roads, Banked and Surfaced with "Muram" or Similar Material, but not Drained.

Executive Districts.	Names of Roads.	Length of Road.	Number of Miles of Roads demarcated.			Number of Miles of Roads to be demarcated.	Remarks.
			Up to 31st March 1898.	In 1898-99.	Total.		
		Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	Ms. ft.	
	Brought forward ...	2,716 860	2,025 4,314	92 1,935	2,118 969	597 5,171	
		2,716 860	2,025 4,314	92 1,935	2,118 969	597 5,171	
	Southern Division.						
Sátára ...	Tásgaon-Pingli Road	45 0	5 0	2 0	7 0	38 0	
	Total, Sátára District ...	45 0	5 0	2 0	7 0	38 0	
	Total, Southern Division ..	45 0	5 0	2 0	7 0	38 0	
	Central Division.						
Násik ...	Satána-Málegaon Road	23 0	4 1,320	.....	4 1,320	18 3,960	
	Total, Násik District ...	23 0	4 1,320	.....	4 1,320	18 3,960	
Poona ...	Road from Kárli Railway Station to join Bombay Mail Road	1 2,640	.....	.....	.....	1 2,640	
	Road from Khed to Pábal	12 0	6 0	.....	6 0	6 0	By trench, prickly pear and aloe hedge.
	Khed-Bhoregiri Road	31 0	12 0	.....	12 0	19 0	
	Road from Junnar to Rájur ...	6 0	2 1,320	.....	2 1,320	3 3,960	
	Road from Yewat Railway Station to join Sholápur Road	1 1,320	.....	.....	.....	1 1,320	
	Road from Loni to Chandgaon ...	4 0	.....	.....	.....	4 0	
	Road from Chinchwad to Railway Station	1 1,320	.....	.....	.....	1 1,320	

	Road from Náráyanpur to Kapur whole	7	2,692	.....		.....		.....		7	2,692	
	Road from Aundh to Shelárwádi ...	11	0	.....		.....		.....		11	0	
	Total, Poona District ...	75	2,692	20	1,320	.....		20	1,320	55	1,372	
Ahmednagar ...	Kharda to Shrígonda	53	4,950	30	2,640	23	2,310	53	4,950	.....		Completed.
	Total, Ahmednagar District ...	53	4,950	30	2,640	23	2,310	53	4,950	.....		
	Total, Central Division ...	152	2,362	55	0	23	2,310	78	2,310	74	52	
	TOTAL, (3) ROADS, BANKED AND SURFACED WITH "MURAM" OR SIMILAR MATERIAL, BUT NOT DRAINED	197	2,362	60	0	25	2,310	85	2,310	 112	52	
	4.—Roads, Banked, but not Surfaced. Partially Bridged and Drained.											
	NORTHERN DIVISION.											
Ahmedabad...	Road from Ahmedabad-Dholka Road to Village Sohijpur Gopalpur ...	0	1,500	.....		0	1,500	0	1,500	.....		
	Road from Dholera to Whittle Bandar	8	0	4	3,960	.....		4	3,960	3	1,320	It is not necessary to demarcate the remaining miles as they all pass through "Khar" land.
	Total, Ahmedabad District ...	8	1,500	4	3,960	0	1,500	5	180	3	1,320	
	Total, Northern Division ...	8	1,500	4	3,960	0	1,500	5	180	3	1,320	
	TOTAL, (4) ROADS BANKED, BUT NOT SURFACED, PARTIALLY BRIDGED AND DRAINED	8	1,500	4	3,960	0	1,500	5	180	3	1,320	
	5.—Roads cleared. Partially Bridged and drained.											
	INDUS RIGHT BANK DIVISION.											
Begári Canal ...	Road from Jacobabad to Khaira Ghari	32	2,640	32	2,640	.....		32	2,640	.....		
	Total, Indus Right Bank Division ...	32	2,640	32	2,640	.....		32	2,640	.....		
	Carried over ...	2,921	4,722	2,090	2,994	118	465	2,208	3,459	713	1,263	
	Carried over Totals of I-A, I-B, 2-A, 2-B, 3 and 4 & 5 ...	2,954	2,082	2,123	354	118	465	2,241	819	713	1,263	

LOCAL FUND ROADS—*concluded.*

6.—Roads, Cleared only.

Executive Districts.	Names of Roads.	Length of Road.		Number of Miles of Roads demarcated.						Number of Miles of Roads to be demarcated.		Remarks.
				Up to 31st March 1898.		In 1898-99.		Total.				
		Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	Ms.	ft.	
	Brought forward ...	2,954	2,082	2,123	354	118	465	2,241	819	713	1,263	
		2,921	4,722	2,000	2,994	118	465	2,208	3,459	713	1,263	
	NORTHERN DIVISION.											
Thána	Kusar Ghát Road	4	0	.....		.....		.....		4	0	
	Total, Thána District ...	4	0	.....		.....		.....		4	0	
Kaira and Panch Maháls.	Godhra and Páli Road	16	0	16	0	.....		16	0	.....		Demarcated by the Survey Department.
	Páli and Bálásinor Road	8	1,320	8	1,320	.....		8	1,320	.....		
	Total, Kaira and Panch Maháls Districts	24	1,320	24	1,320	.....		24	1,320	.....		
Ahmedabad...	Road from Dholera to Dhanduka ...	17	0	7	1,320	.....		7	1,320	9	3,960	
	Road from Sadra to Prantej (including the portion under the Mahi Kántha Agency	7	2,640	.....		.....		.....		7	2,640	
	Total, Ahmedabad District ...	24	2,640	7	1,320	.....		7	1,320	17	1,320	
	TOTAL, NORTHERN DIVISION ...	52	3,960	31	2,640	.....		31	2,640	21	1,320	

	SOUTHERN DIVISION.										
Bijápur ...	Road from Indi to Sirdhon... ...	26	1,760	2	2,640	.....		2	2,640	23	4,400
	Total, Bijápur District ...	26	1,760	2	2,640	.....		2	2,640	23	4,400
	TOTAL, SOUTHERN DIVISION ...	26	1,760	2	2,640	.....		2	2,640	23	4,400
	CENTRAL DIVISION.										
Násik	Harsul-Thána-Goldari Road ..	10	0	2	0	.....		2	0	8	0
	Total, Násik District ...	10	0	2	0	.. ...		2	0	8	0
Poona District	Road from Dimbhakhurd to Bhimáshankar	22	2,745	.....		.....		.....		22	2,745
	Road from foot of Sákalpáthár to Bhorkus	8	2,640	.....		.....		.....		8	2,640
	Road from Bhorgiri to Bhimáshankar	4	2,246	.....		.....		.....		4	2,246
	Road from Poona to Bhorkus ...	12	0	.....		.....		.....		12	0
	Total, Poona District ...	47	2,351	.....		.....		.....		47	2,351
	TOTAL, CENTRAL DIVISION ...	57	2,351	2	0	.....		2	0	55	2,351
	TOTAL, 6—ROADS, CLEARED ONLY.	136	2,791	36	0	.....		36	0	100	2,791
	TOTALS OF 1-A, 1-B, 2-A, 2-B, 3, 4, 5, and 6	3,090	4,873	2,159	2,994	118	465	2,277	819	813	4,054
	GRAND TOTAL, LOCAL FUND ROADS.	3,090	4,873	2,159	2,994	118	465	2,277	819	813	4,054

APPENDIX F.

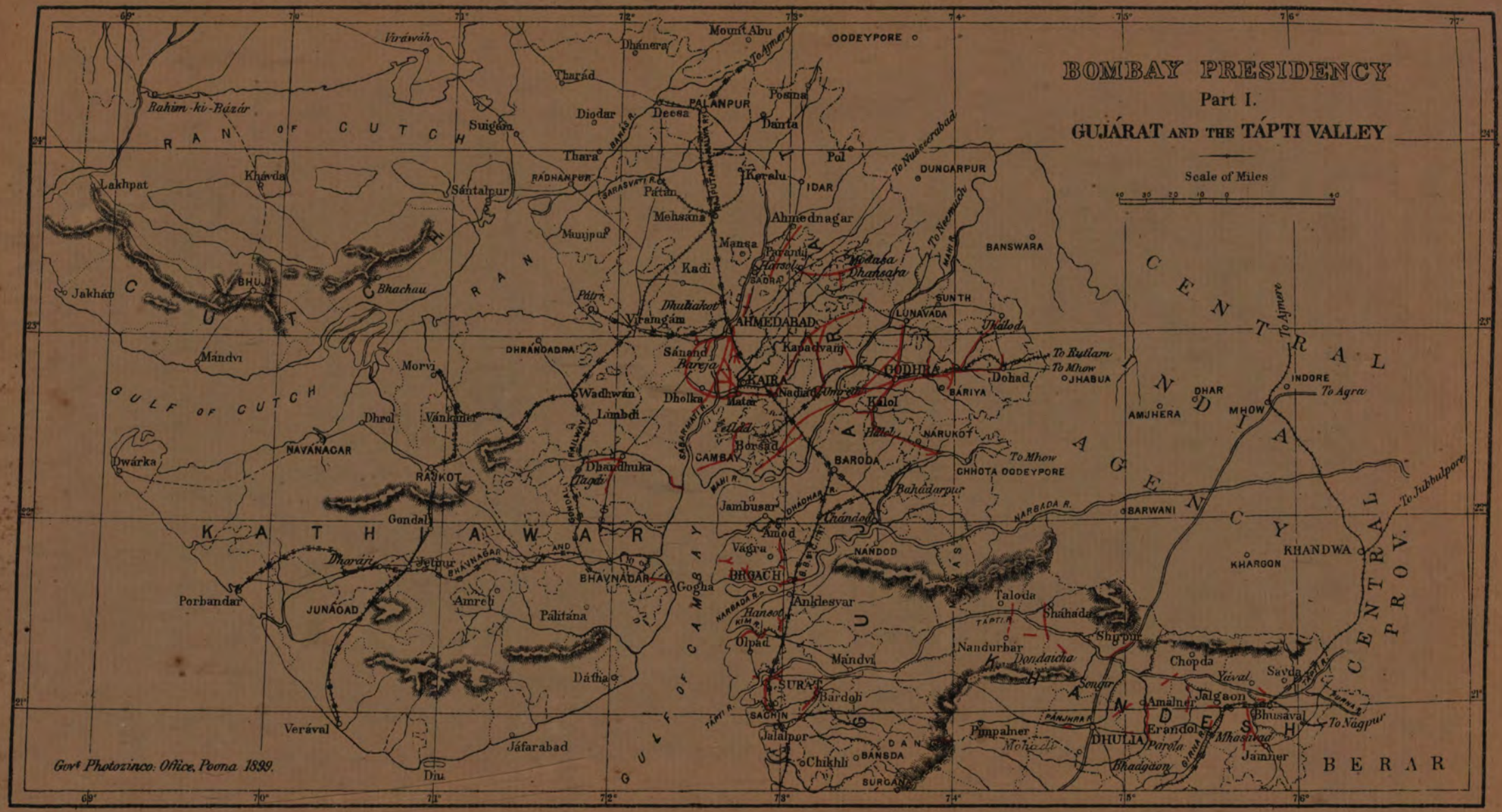
ROAD MAP

(IN 3 SHEETS)

SHOWING THE PRINCIPAL LINES OF ROAD IN PROGRESS

DURING THE YEAR

1898-99.



Govt Photozinco. Office, Poona 1899.

BOMBAY PRESIDENCY
Part II
THE DECCAN, KONKAN AND KARNÁTIC
Scale of Miles
Govt Photozinco Office, Poona 1899.
BOMBAY
ALIBÁG
THÁNA
SALSETTE
NASIK
AHMEDNAGAR
POONA
SÁTÁRA
SHOLÁPUR
RATNÁGIRI
KOLHÁPUR
BELGAUM
DHÁRWÁR
KÁRWÁR
BIJÁPUR
AURANGABAD
DHULIA
SURGANA
DHARAMPOR
DAMAN
JAWHAR
MURUD
JANJIRA ST
PHALTAN
JATH
JAMKHANDI
MUDHOL
RÁMDURG
SAVANTVADI
SAVANUR
MADRAS PRESY.
MAISUR TER.
To Bangalore
To Bellari
To Madras
To Hyderabad
Pimpalner
Satána
Málegaon
Kalvan
Chandor
Niphad
Yeola
Sinnar
Sangamner
Akola
Ráhuri
Shevgaon
Nevása
Pátas
Supa
Baramati
Indápur
Bársi
Karmála
Jámkhed
Kharda
Shrigonda
Karjat
Lonand
Sirur
Khed
Púrner
Sásvad
Máhuli
Vita
Tásgaon
Atpádi
Mangalvedha
Sangola
Dahivádi
Málsiras
Akalkot
Jath
Sinnúr
Bágevádi
Muddebihál
Humnábád
Bádámi
Gokák
Kaládgi
Bágalkot
Athni
Chikodi
Nipani
Kurundvad
Rájápur
Devgad
Vengurla
Sampgaon
Saundatti
Ron
Navalgund
Gadag
Hubli
Annigeri
Dámbal
Shirhatti
Kundgol
Lakkameshwar
Sirsi
Ankola
Kumta
Honávar
Siddápur
Hirekerur
Ránebennur
Haveri
Karajgi
Yellápur
Supa
Margáo
Goa
Mapuça
PANJIM
Mormugáo
Vingurla
Devgad
Malvan
Vaibhavvadi
Kankavli
Kudal
Sávantvádi
Ajra
Gadhinglaj
Chandgad
Shirol
Hátkanangle
Shahápur
Bhiwndi
Kalyan
Murbád
Panvel
Ambegaon
Bhimgarh
Ghoda
Wadi
Khadkala
Pen
Roha
Mángaon
Mahad
Chiplun
Guhágar
Anjanvel
Jaygad
Harnai
Bánkot
Bánbra
Agáshi
Bassein
Máhim
Vada
Dáhánu
Tárápur
Unbargaon
Bulsár
Párdi
Chikhli
Sachin
Bhusával
Jámner
Páchora
Bhadgaon
Ajanta
Chalisgaon
Nándgaon
Vinchur
Pimpalgaon Basvant
Ghatpuri
Shirhat
Ranzha
Ghatghar
Jumar
Ambegaon
Bhavangarh
Ghoda
Wadi
Karjat
Khed
Sirur
Talegaon Dhamdhere
Yerrowda
Lonand
Pátas
Sásvad
Baramati
Indápur
Phaltan
Málsiras
Dahivádi
Akalkot
Sangola
Mangalvedha
Atpádi
Vita
Tásgaon
Jath
Sinnúr
Bágevádi
Muddebihál
Humnábád
Bádámi
Gokák
Kaládgi
Bágalkot
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Chikodi
Nipani
Kurundvad
Rájápur
Devgad
Vengurla
Sampgaon
Saundatti
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Nándgaon
Vinchur
Pimpalgaon Basvant
Ghatpuri
Shirhatti
Ranzha
Ghatghar
Jumar

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